

SEQ ID NO:1 Xenopus Claspin nucleotide sequence (AF297867)

ACGCATAGGGCGCGAATTCCAAGGCGGCAGTAGTGAGGATTGGCGGGAGCTGTCATCACCG
GGTAGCACCATGGCCGCGCTTTGCGAAGAAGAGCAGGTATTTTTGGAACCAGAAGACATCA
GTCTGAAAATTGTGGAGACTGATTCTGACAGTGGTCAAGGCAGCTGTGAAATGGCTGATCA
GAATAAATTATTGGGTTGTGTGGAGGATAAAGATACAGATGATGAAATCTTGGTTCGTAAA
AAATCTAAAAAGAAGGAAGTATTGGTGGATAGTGACAGTGACGAAGAATTGGAAATGCGTA
ATTTTGCAGATAATGTAAAGGGGCACTCTGATAATGAGGAGAATGAGGAGACTATGTCTGC
TTATAGAGAAAAACCAAGAAAGATCCGTTGAGCTGTATTGGACAGTGACAATAGTGATCAT
GAGCTTGATGTTCAAATAAGTACAAGTCAAATGCAGCTGAAATACCTGAGTCAGAACATG
ATAGCTTGGAGAAGGAACTCATACTGTGAAGCCTAAACAAGCAAGTCCTTGAAAAACA
AACTGACACTAATAAAGAGGAAATCGTGAAGAATAAATCAAAGCGCAAATTCGAAAGAG
AAGATTAAAAGGAGGACAAAACAGAAGTCAAAGCAGTTGCTGAAGCTAGGCCAAATTTAA
ATGACAGTGGCTGCTTACTCACAGATGGAGATCTTTTTGACAATGGGGTGGAAAATGAGAT
GGATTCTAATGAAGAAGAGGATTCTCTTGAAGCTATCCGGGCAAAAATGAAAAGCAAAGTG
AATAGTCATTCTGCTGAAAATTTTGAAGACTTTGAACTTGATACTGAAGGCAATCAAGAAT
CCCCAGAAAAAAGAAAGGAACGAAAAGCTGCGCGACTTGGTAAAGAAGCCATGAAACAAAT
GCACAGTGAGACCCAAAGACTAATACGTGAATCTTCTGTATCTTTACCATATCATCTACCT
GAACCAAAAACAATCCATGATTTTTTCAAAGGCGTCCAAGGCCTCTTTGTCAAGGAAATG
CAATGCAGCTTATAAAGTCAACAAAATACCAGCCCTGCACTGAAGAGAAAAAAAACCCAA
TGAGGAAATATGTGCTGAAGTTCAGAGTTTGATTATGTTTCAAAGGAAGATTTAGAAATC
AGTCCAGAGCAACCTTTACTAAATACTCAGTGTTACATGCTGCAGTCCTATGTGTTGTGC
AAAATGATGCTCGGACTGAGGGGTTAAGTAAATCCACAGAGGCAGTTGTGACTGGTCAAAT
GAATGACCATGAGGATGCTTTTCAAGTATTCAAACATTGTTTATGAACAAGAAACAGTTGGA
TTAATAACCGTAACTGAAACCTTTTCAAGACACCCTTTATTCCCCAACCCAGAGAGCGTAGTAT
GTGAACAAATCCAGAATGATGTAGTAGAGATGCAACGTATGCCTGAACAACCCACGCATAA
ACCCAAGTTATCCAAGCTTGAAAAGCTGAAAAGCTCTTGGAGTGGACTTGTCTATAAAACCT
CGCCTTTGCCCTGATGATGGTTCTTTTGTCAACTTGGATGAACCAAAGCCGAATAAAGAAT
TTGAAGCTTTGAAGGAGCGTTTCTGAAGCACACTCTGCAAAGTCCAAACCCAGAACTGA
GCGGAAAGTCAATCTTAATATTATCCGCAAGGAGACCACTGCTGATGGAAAAGAAGAACTA
AAAGCAGACGTTGTGCCAATAGTTATGGCTACAGAAAAACCAGACAAGAGCATTATCAA
AGCCAGGTGAGAAGCTGCAGGTATTGAAAGTCAAAGTGCAGGAAGCAATGAAAATCCGTCG
CAGTGAGGAGCGCCTGAAGCGGCAAGCCTTGTATAAGCTTGACAATGAAGATGGCTTTGAA
GATGATGAAGAGGAGGAAGAAATGACAGAGGAGTCTGAAGATGATGGGGATGGAAATGCTG
AGACTGCAGATTATCCTGGAGGGGAAGATGAGGAAGAGGTTGGTGATGCTGAAGATGACAA
TGATGAGGATGATACTGTAAATGATAGATTGTTGGGAAATGTGCCTGAAATTGTTATCCCA
CTGCCGAGACCAGTAACTACTGATTCTAGCCTCATGCTGTTCAAGGACAATTCTTCAAAGC
TAGGAGATTGCTACCTGATGAAAGTGGATGCAAGAGAAGCAGCAGGCTAGAATATGAAGA
AGACTCCCTGTTGCCACAATTAAAAGAAAACAGCCATAATAGTAGCTTTGAACTTATTAGT
TCAATGATACCATCATACCAGCCATGTAATAAAACAAGTCTGAGTTGTGATCAACTCCAATA
ACCTTGGCTTTTCGCTCACCATCTCCGGTTCATTTCAAACAAGTTTTCTCAGCTCTGCATC
AAAGAGTTCTGGCAAGATGTCTGAACCATCCCTTCCCGTGGAAGACTCACAGGATCTATAT
AATGCTTCCCCAGAGCCCAAAGCCTCATATCTCTGTGCTGGAAGAACTCTCAATTTCAAT

FIGURE 1A

TTTCGTTGGAGGATGACACCCAGAGCCAACTGCTTGATGCTGATGGGTTTCTGAATGTTGG
TCGCCATAAATCTAGCTCTGCCAAACACAGGCTAGCTTTGGATACAATGGACGAGAATGCT
ATGGATGCCAATATGGATGAACTACTAGACCTTTGCTCAGGACAGTTCAAAGAATCTCTTT
CAGGCACATCACAGGCAGCTGAAAGTGATGCTAAGAAACAACCAATGGATGAATTGCTTGA
ATTGTGTTCTGGCAAATTTGTATCTCAAGCTGACTGCTCCACACAAGATTCTTCTGCTTCA
GCTAAGGACCGTTCTACAGCTGTAAAAAAGGACATTTCTGATGAAGTGGCAACGGTTTCAA
GTTCAATTCCTTACTGAGAGAGAACAGGAAGAAGATGAGGAAGAAGAATTTGGTGAATTCAA
GCTCTTACCCTGTGATGATTTCGGAGAGCGAAAACGAAGAACAATGAAGAGGAAGAAGAA
GAAGAGGATGCTAAGGATGATGAAGATGAGGAAGAAATTTTGCAGAAGCAGCAAAAGAGAA
AATTGAGGCTGAATGACTTCATGGAAGATGAAGCCGAATTGTCTGGAAGTGATGTAGGTAG
CGGAGATGAGTATGAAGGAGATGATGATGAGTATGAGGAAGAAGCCATAGATGAAGATCTC
CCATCTGATGAGGAACTGCAGGATCAAGTCAATAAAATTCATATGAAAGTTACCATGGATG
AAGACCAGCGACAGCTTCGTTTCTATCAGGAGCGGTACCTGGCTGATGGGGATCTCCATAG
TGACGGACCAGGGAGAACAAGAAAGTTCAGATGGAACATCTTGATGATGCCTCACAGGTG
GACATGTTCCGCCGAGACTCTGAATTGGAAGAGGTGGACGGAGAGAATGAGGAACTGAGG
AAACCGAACTTAAATGGAGGAAAGAGCGGTTGCAAAGGGAACAATGGCTGCGAGAACAGCC
ACAAGGTAGTAGAGATAACAATGAGGAGGAGGAGGAGGATATTGGAGAAGACAGCCAGTTT
ATGAAATTGGCAAAGAAGGTCACCTGCAAAAGCCCTACAGAGAAAAGTGAGTACAGAGACTA
ATGAACCAAAGAAACCTGGGCCTAGAAATCCATATGAAGTGATCAGGCCTTTCAGCCTCCC
CAAGTTGCGTACTGGTTTCGCTGTAAAGCAAACCAAAGAAGTTTTACAGAAGCTGGCAGCT
GTGTCAGACCTGAATCCAAATGCACCTCGAACTCAAGAACTTTGTCTTCCAACTGTCT
CACCCGAAAGAAAGAAGAAACTACAGACAAGCCAAGATCAAAGGTACGAAAGAATATAGC
TGTTGCCATGCCTTCCCCTAAACGTTTTTAAAAGGGACAGCACCCCTACTGTTAAAAGCCGC
AGTATATTTTCAGTTGTTGGAGTAGGTTTCTGCGAATATTCCACTAAATCAGTAATTTGTTT
TTGTGTCCTAGTTACAGCAAATTCATATTTTAAATGTAGCTGTGCTTACATGCTACAGTTC
TCGCTTTACTGAAATTTGTCAGATACTTGAAGTAAAGTGTTCATCATGAAATTAGTTGT
GCTGCATGTTATTCATACAGAGGCATGTGAAATACACTGTGTATTTCTATTGCCTTGTGTC
AAATGTTCTACACTTGTGTTTGTTCAAAATTACACAAACCGTATCACCTAATGTAAATCTAC
CTCATAGAGATACAGATACCCTACAAAATAACAGTAATTTTGTGTTTACAACCACCCATATAT
TTTGTACTTTGCATTCTTATTCTATTCTCTAAATGTACTCCATTTACAAGTGCTGATTTAT
AAAGGGGCATTGTACCTATTTGTTCAACACAAGTTCAATTACGTCATGTGCTGAACATGCT
CTCCCCCCCATCTTAAATATGTTTTTCTTATGAATTGCATTAAACAGGGCACAACACTGAA
ACTATAAGTTTATGGGAGTGCTGGTAAAAACAACAACCTATTAGTGCTTTATAATATAAAA
AATTAGGTTATTATATGGAATTGTTTTTAATTAAAACAATAAGCAGAACAAATTTAAAACAA
GTCCTATTTATTTTGCTCATGTTAAATAAAAGTGTATATATCCATATACTACCCGTTTAAA
CTGTGTAATGAATGTGTTTCTTGTAATATATTTTATTGTACATTGTTATAAATGTTTGTGA
GATTTGTTAATAAATACATTTTTTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

FIGURE 1B

SEQ ID NO:2: Xenopus Claspin amino acid sequence

MAALCEEEQVFLEPEDISLKIVETDSDSGQGSCEMADQNKLLGCVEDKDTDDEILVRKKSK
KKEVLVDSDSDEELEMARNFADNVKGHSNEENEETMSAYREKPRKIRSAVLDSNDSDHELD
VQISTSQNAAEIPESEHDSLEKETHTVKPKTSKSLKKQTDNKEEIVKNKSKRKIPKEKIK
RRTKQKSKAVAEARPNLNDSGCLLTDGDLFDNGVENEMDSNEEEDSLEAIRAKMKSKLNSH
SAENFEDFELDTTEGNQESPEKRKERKAARLGKEAMKQMHSETQRLIRESSVSLPYHLPEPK
TIHDFFKRRRPRPLCQGNAMQLIKSTKYQPCTEEKKKPNEEICAEVPEFDYVSKEDLEISPE
QPLLNTQCSHAAVLCVVQNDARTEGLSKSTEAVVTGQMNDHEDAFSDSNIVHEQETVGLIT
VTETFQTPFIPQPESVVCQIQNDVVMQRMPEQPTHKPKLSKLEKLKALGVDLSIKPRLC
PDDGSFVNLDEPKPNKEFEALKERFLKHTLQKSKPRTERKVNLNIIIRKETADGKEELKAD
VVPIVMATEKPKDSIYQKPGEKLQVLKVKLQEAMKIRRSEERLKRQALYKLDNEDGFEDDE
EEEEMTEESEDDGDGNAETADYPGGEDEEEVGDAAEDDNDDEDDTVNDRLLGNVPEIIVPLPR
PVTDDSSLMLFKDNSSKLGDSLPDESGCKRSSRLEYEEDSLLPQLKENSHNSSFELISSMI
PSYQPCNKTTTRVVINSNNLGFERSPPVHFKTSFLSSASKSSGKMSEPSLPVEDSQDLYNAS
PEPKASYLCAGRNSQFQFSLEDDTQSQQLLDADGFLNVGRHKSSSAKHLALDTMDENAMDA
NMDELLDLCSGQFKESLSGTSQAAESDAKKQPMDELLELCGKFVSQADCSTQDSSASAKD
RSTAVKKDISDEVATVSSSFLTEREQEEDDEEEFGEFKLLPCDDSESENEEQNEEEEEED
AKDDEDEEEIILQKQKRLRLNDFMEDEAELSGSDVGSGDEYEGDDDEYEEEAIDEDLPSD
EELQDQVNKIHMKVMTDEDQRQLRFYQERYLADGDLHSDGPGRTRKFRWKHLDDASQVDMF
RRDSELEEVDGENEETEETELKWRKERFEREQWLREQPQGSRDNNEEEEDIGEDSQFMKL
AKKVTAKALQRKVSTETNEPKPGPRNPYEVIRPFSPLKLRGTGSLLSKPKEVLQKLAASD
LNPNA PRNSRN FVFQTVSPGKKEETTDKPRSKVRKNIAVAMPSPKRFRDSTPTVKSR SIF
QLLE

FIGURE 1C

0992091-10101

SEQ ID NO:3

Human Claspin nucleotide sequence AF297866

GACGGCGGGAGCCGCTGCTCTCCGGCTGAGGGAATCAGAGACAGCTCCGTCCCTAGTG
GAGCGCAGGGGAGGCAGAAGTCATGACAGGCGAGGTGGGTCTGAGGTTACCTAGAA
ATCAATGACCCAAACGTCATTTACAAGAGGAAGCAGATAGTCCTTCAGATAGTGGAC
AGGGCAGCTATGAAACAATTGGACCCTTGAGTGAAGGAGATTCAGATGAAGAGATATT
TGTAAGTAAGAAGTTGAAAAACAGGAAGGTTCTACAAGACAGTGATTCCGAAACAGAG
GACACAAATGCCTCTCCAGAGAAAACCTATGACAGTGCCGAGGAGGAAAATAAAG
AGAATTTATATGCTGGGAAAAATACAAAAATCAAAAGGATTTACAAAACCTGTGGCAGA
CAGTGATGAAAGTTACATGGAAAAGTCTTTGTATCAGGAAAATCTTGAAGCGCAAGTG
AAACCTTGCTTAGAGCTGAGTCTTCAGTCTGGAAACTCTACAGACTTTACCACTGACA
GAAAGAGTTCCAAAAAGCACATACATGATAAAGAAGGAAGTGCAGGAAAAGCAAAAGT
AAAAATCAAAAAGAAGACTTGAGAAAGAGGAGAGAAAAATGGAAAAAATTAGACAGCTA
AAAAAGAAGGAAACAAAAAACAGGAAGATGATGTAGAACAGCCATTTAATGACAGTG
GCTGTCTTCTTGTGGATAAAGACCTTTTTGAAACTGGGTGGAGGATGAAAATAACTC
TCCATTGGAAGATGAAGAGTCATTAGAATCAATAAGAGCAGCTGTAAAAAACAAAGTA
AAAAAGCACAAGAAAAAGAACCATCTTTGGAGAGTGGGGTCCATTATTGAGGAAG
GAAGTGAGTTATCAAAAGGAACACGAGGAAGGAAAGAAAGGCAGCCAGATTAAGTAA
AGAAGCATTAAAACAACTGCATAGTGAGACTCAGCGCCTTATTCGAGAGTCTGCACTG
AACCTTCCATATCATATGCCTGAGAATAAAACCATTATGATTTCTTCAAACGTAAAC
CCCGGCCCACTTGCCACGGAAATGCCATGGCACTATTGAAGTCATCTAAATATCAGTC
AAGCCATCACAAAGAAATCATAGACACTGCAAATACTACTGAAATGAACAGTGATCAC
CATAGTAAAGGTTCTGAGCAGACAACAGGTGCAGAAAATGAAGTGGAAGTAAATGCAC
TCCCTGTAGTTTCAAAGGAAACCCAGATCATTACTGGATCAGATGAGTCTTGCAGGAA
GGATTTGGTAAAAAATGAAGAGCTAGAAATTCAGGAGAAACAGAAGCAGAGTGACATT
AGACCTTCACCTGGGGACAGCTCAGTGTGCAACAGGAATCCAACCTCCTCGGGAACA
ATCACAGTGAGGAATGTCAGGTGGAGGGCTTGTAGCATTTGAACCTCATGCCCTGGA
GGGTGAAGGCCCCCAAAATCCAGAAGAAACAGATGAGAAAGTGGAAGAGCCTGAGCAG
CAAAATAAATCATCAGCAGTTGGGCCACCTGAAAAAGTGAGACGGTTTACTCTGGATA
GACTTAAGCAACTGGGAGTAGATGTTTCCATTAAACCACGGCTAGGTGCTGATGAAGA
TTCTTTGTGATACTTGAACCTGAAACCAACAGAGAACTGGAAGCCTTGAAGCAGCGT
TTCTGGAAGCATGCTAATCCAGCAGCCAAACCCAGGGCTGGTCAGACAGTGAATGTGA
ACGTCATAGTGAAAGACATGGGCACTGATGGAAGGAAGAGCTAAAAGCAGATGTGGT
ACCTGTGACTTTAGCACCTAAGAAGTTGGATGGAGCAAGCCACACAAAACCAGGTGAA
AAGCTTCAGGTGTTAAAAGCTAAACTGCAAGAAGCAATGAACTCCGAAGGTTTGAGG
AGCGCCAGAAGCGCCAAGCACTGTTTAAATTAGATAATGAAGATGGGTCTGAGGAAGA
GGAGGAGGAAGAGGAAGAAATGACAGATGAGTCTGAGGAAGATGGAGAAGAGAAGGTA
GAGAAAGAAGAGAAAGAGGAAGAACTAGAGGAAGAGGAGGGGAAAGAAGAGGAGGAG
AAGAAGAAGGAAATCAGGAGACTGCAGAATTCCTTCTTAGTAGTGAAGAAATAGAAAC
AAAAGATGAAAAAGAAATGGATAAAGAAAAATAATGATGGCAGTAGTGAAATTGGCAAG
GCAGTTGGCTTCCCTCTCTGTTCCCAAGTCTCTCTCATCAGATTCTACTTTACTTCTGT
TTAAGGACAGCTCTTCCAAGATGGGTACTCTCTACTGAAGAAAAATCAGAAACAGA
TGAAAACCTCAGGCAAGCAGCCTAGCAAACCTGGATGAGGATGATTCATGTTCAATTGCTA
ACAAAGGAGAGCAGCCACAATAGCAGCTTTGAGCTGATTGGCTCCACGATTCCATCCT
ATCA

FIGURE 2A

GCCTTGCAACAGACAAACAGGCCGTGGGACCAGTTTTTTCCCTACAGCAGGAGGATTC
AGATCTCCTTCCCCTGGGCTATTTTCGAGCCAGTTTGGTCAGCTCAGCTTCTAAGAGTT
CAGGGAAACTGTCTGAGCCTTCACCTCCCATAGAGGATTCCCAGGATCTGTATAACGC
CTCCCCAGAGCCTAAGACACTTTTCTAGGAGCAGGAGACTTCCAGTTCTGTTTAGAA
GATGACACTCAGAGCCAACTGTTGGATGCAGATGGGTTCTTAAATGTTAGAAACCACA
GGAATCAGTACCAAGCTTTGAAGCCTCGATTGCCATTGGCCAGTATGGATGAGAATGC
CATGGATGCCAACATGGATGAGCTGTTGGATTTGTGTACTGGAAAGTTCACATCTCAG
GCTGAAAAACATCTACCCAGGAAGAGTGACAAGAAAGAGAACATGGAGGAACTTCTGA
ACCTTTGTTTCAGGAAAATTCACCTTCTCAGGATGCCTCCACTCCAGCCTCATCAGAGTT
AAATAAACAGGAGAAGGAGAGCAGCATGGGTGATCCAATGGAAGAAGCACTTGCTCTT
TGCTCAGGCTCTTTTCCCACAGACAAGGAAGAGGAAGACGAGGAGGAGGAATTTGGAG
ACTTTCGGCTTGTTTCAAATGATAATGAGTTTGATAGTGATGAGGATGAACACAGTGA
CTCTGGTAATGATCTGGCACTGGAAGACCATGAAGATGATGATGAAGAAGAACTCCTG
AAGCGATCTGAGAAGTTGAAAAGGCAAATGAGGTTGAGGAAATACCTGGAGGATGAGG
CAGAGGTGTGAGGAAGTGATGTGGGAAGCGAAGATGAGTATGATGGGGAAGAAATTGA
TGAATATGAAGAGGACGTAATTGATGAAGTACTTCCTTCTGATGAGGAACTGCAGAGT
CAAATCAAGAAAATACACATGAAAACATATGTTGGATGATGATAAGCGACAGCTACGTT
TATACCAAGAGAGGTACCTTGCTGATGGGGATCTGCACAGCGATGGTCTTGGGCGAAT
GAGGAAGTTTCGATGGAAAAACATAGATGATGCTTCCCAGATGGACTTGTTCCACAGA
GACTCTGATGATGATCAGACTGAAGAACAGCTTGATGAGTCAGAAGCCAGGTGGAGGA
AGGAGCGAATTGAACGAGAGCAGTGGCTTCGGGACATGGCACAGCAGGGGAAAATTAC
AGCTGAAGAAGAAGAAGAAATTGGGGAGGACAGTCAGTTTATGATACTGGCCAAGAAA
GTTACAGCCAAAGCACTGCAGAAGAATGCCAGTCGCCCTATGGTTATTCAGGAATCAA
AGTCTTTGCTCAGAAATCCTTTTGAAGCCATCAGACCAGGAAGTGCTCAACAGGTGAA
GACAGGCTCACTGCTAAACCAGCCCAAAGCTGTGCTTCAGAAACTGGCTGCTCTCTCT
GACCATAACCCAGTGCTCCTCGAAATTCAAGAAACTTTGTCTTTCATACACTTTCTC
CTGTCAAGGCTGAGGCGGCAAAGGAATCGTCTAAGTCTCAGAAGATCCCAGAGAAGGA
CTCTGACTGGCTCACCTGGAGTGGAGCTCCTATCCCTGGATTCTTCAGGCTTTCATTT
GACCCACATGGTTAAGCTGGGAGAGACAGAGTCCAAAGAGAGGCGGAGAAGGGCTATT
CTGGGCAGAACAAACAATTGATGACTTTATGGCTCTGTGGTCTGGGCAGAACTGCATA
ACCCTAGATCACCAAAGCTGAGAGCCTTTAGGAGTGAGGATTTGGGCCGGGCATGGTG
GCTCACGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGTGGGTGGATCACAAGGTCAG
GAGATCAAGACCAACCTGACCAACATGGTGAGGCCCATCTCTACTAAAAATACAAAA
ATTAGCTGACGTGATGCATGCACCTGTAATCCCAGCTACTCGGGAGGCTGAGGCGGGA
GAATCGCTTGAACCCGGGAGGTTGGAGGTTGCGGTGGGCCGAGATTGCGCCACTGCAC
TCCAGCCTGGGCGACAGAGCGGGACTCCATCTCAAAAAAAAAAAAAAAAAAAGTGAGGA
TTTGGGTCACCCCAGGCTGAAGGCCAGGGGAACCTGAATGATAAGGGAAGGGAAAACT
TAGGCCACAGTCTGATTAGAAAATGGGGCTGAATTCACCCCTGTTTTTCCCTTTACTGGA
GATTCAATTTGAATTACTCTGCCTCCCTTCTTATTCCTTTTCCCTTTTAAATAGTCA
TCATAATCATAAAAATTTCTTTTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

FIGURE 2B

SEQ ID NO:4
Human Claspin amino acid sequence

MTGEVGSEVHLEINDPNVISQEEADSPSDSGQGSYETIGPLSEGDSDEEIFVSKKLKNRKV
LQDSDSETEDTNASPEKTTYDSAEENKENLYAGKNTKIKRIYKTVADSDSYMEKSLYQE
NLEAQVKPCLELSLQSGNSTDFTTDRKSSKKHIHDKEGTAGKAKVKSRRLEKEERKMEKI
RQLKKKETKNQEDDVEQPFNDSGCLLVDKDLFETGLEDENNSPLEDEESLESIRAANKV
KKHKKKEPSLESVHSFEEGSELSKGTTRKERKAARLSKEALKQLHSETQRLIRESALNLP
YHMPENKTIHDDFFKRKPRPTCHGNAMALLKSSKYQSSHHKEIIDTANTTEMNSDHHSKGSE
QTTGAENEVETNALPVVSKETQIITGSDESCRKDLVKNEELEIQEKQKQSDIRPSPGDSSV
LQQESNFLGNNHSEECQVGGLVAFEPHALEGEQPONPEETDEKVVEPEQQNKSSAVGPPEK
VRRFTLDRLKQLGVDVSIKPRLGADEDSFVILEPETNRELEALKQRFWKHANPAAKPRAGQ
TVNVNVIVKDMGTDGKEELKADVVPVTLAPKKLDGASHTKPGEKLQVLKAKLQEAMKLRRF
EERQKRQALFKLDNEDGSEEEEEEEEEEMTDESEEDGEEKVEKEEKEEEEEEGKEEEEE
EGNQETAEFLLSSEEIETKDEKEMDKENNDGSSEIGKAVGFLSVPKSLSSDSTLLLFDSS
SKMGYSPTEEKSETDENSGKQPSKLEDDSCSLTKESSHNSSFELIGSTIPSYQPCNRQT
GRGTSFFPTAGGFRSPSPGLFRASLVSSASKSSGKLSEPSLPIEDSQDLYNASPEPKTLFL
GAGDFQFCLEDDTQSQQLLDADGFLNVRNHRNQYQALKPRLPLASMDENAMDANMDELLDL
TGKFTSQAEEKHLPRKSDKKNMEELNLCSGKFTSQDASTPASSELNKQEKESMGMDEEEL
ALALCSGSFPTDKEEEDDEEEFGDFRLVSNDFDSDEDEHSDSGNDLALEDHEDDDEEEL
LKRSEKLKQMRRLRKYLEDEAEVSGSDVGSEDEYDGEIIDEYEEDVIDEVLPSDEELQSQI
KKIHMKTMLDDDKRQLRLYQERYLADGDLHSDGPGRMRKFRWKNIDDASQMDLFRDSDDD
QTEEQLDESEARWRKERIEREQWLRDMAQQGKITAEIEEEIGEDSQFMILAKKVTAKALQK
NASRPMVIQESKSLRNPFEAIRPGSAQQVKTGSLNQPKAFLQKLAALSDHNPSAPRNSR
NFVFHTLSPVKAEEAAKSSKSQKIPEKSDWLTWSGAPIPGFFRLSFDPHG

FIGURE 2C

0982091.101701

FIG. 3

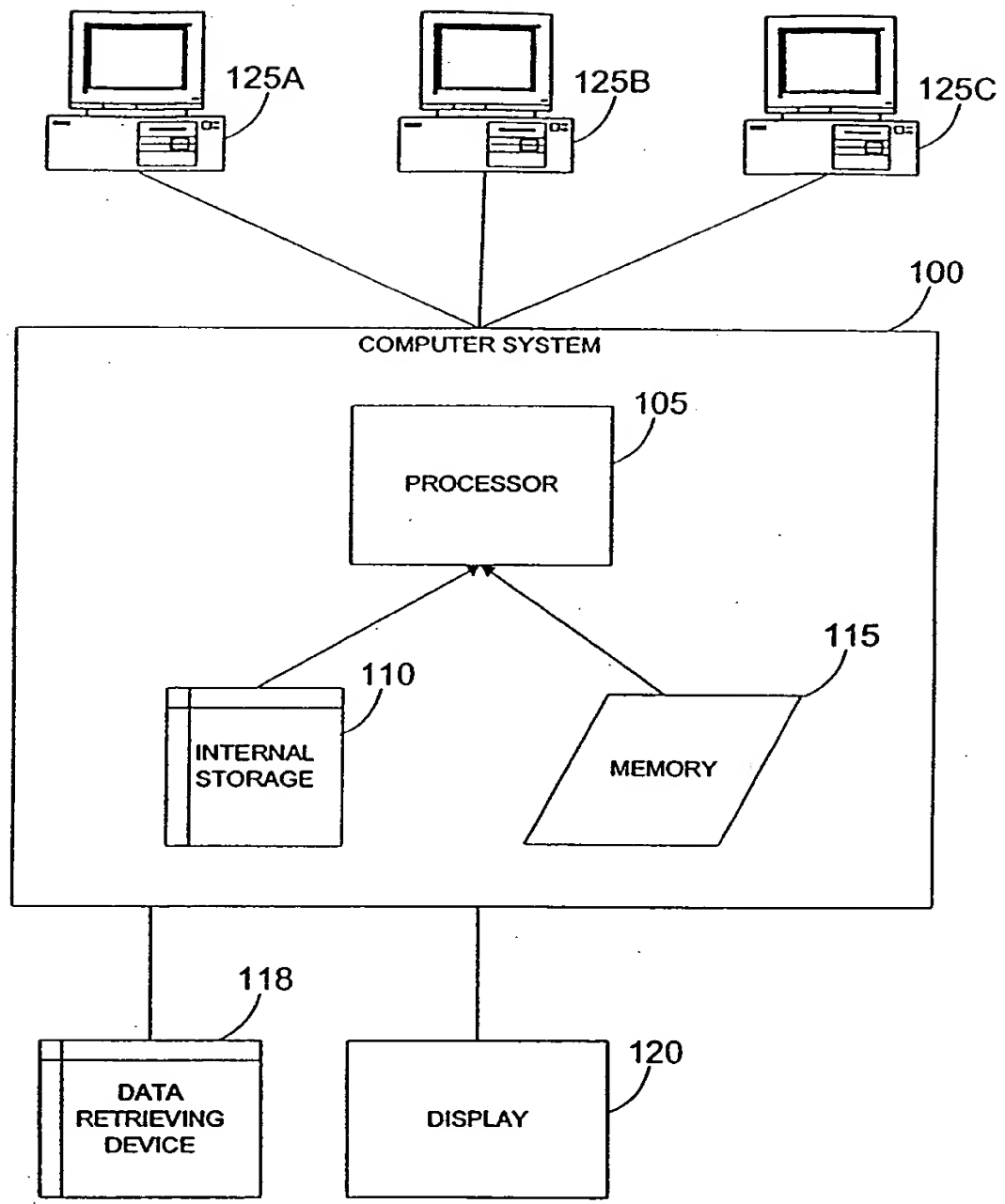


FIGURE 3

09982091-101701

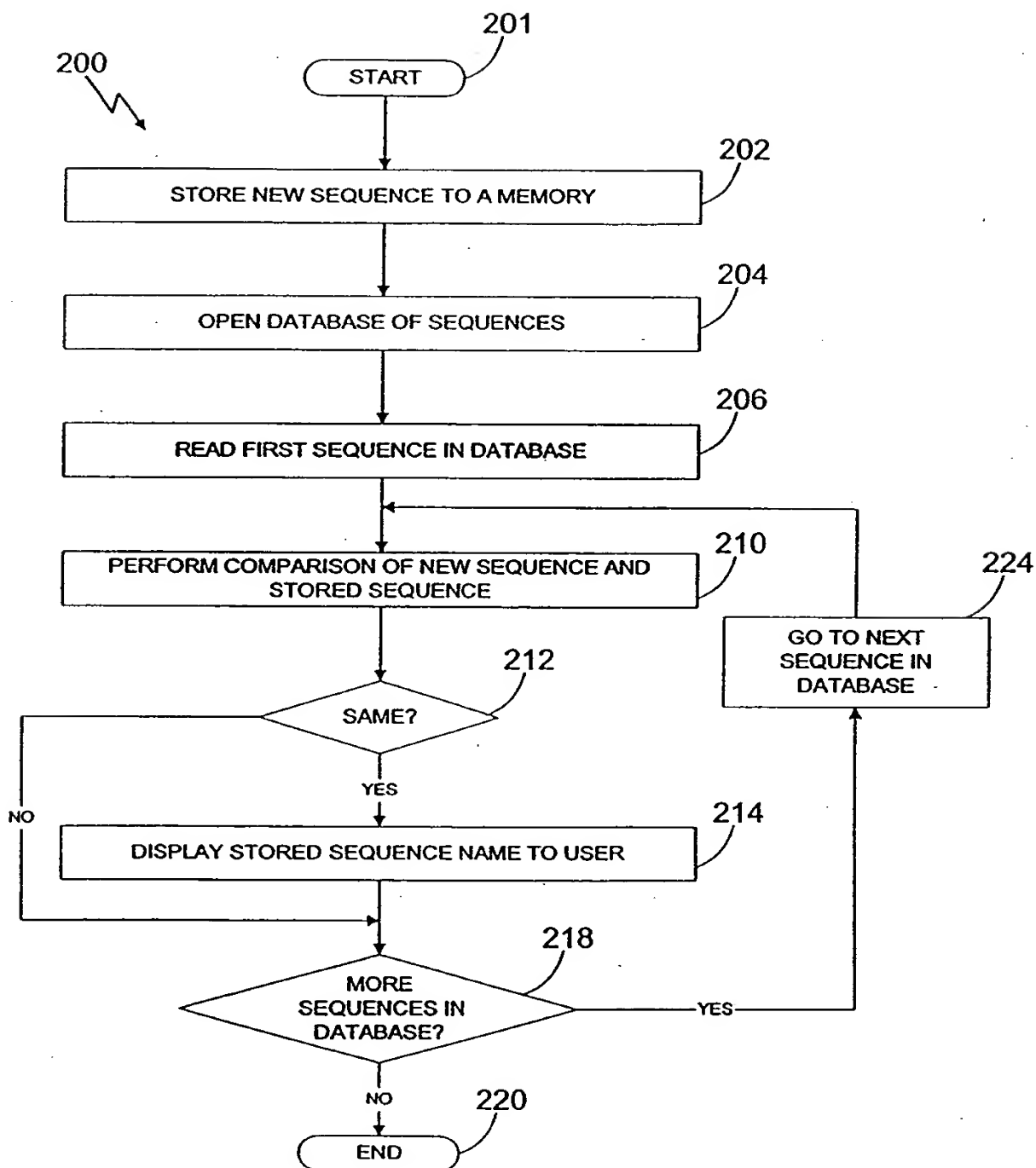


FIGURE 4

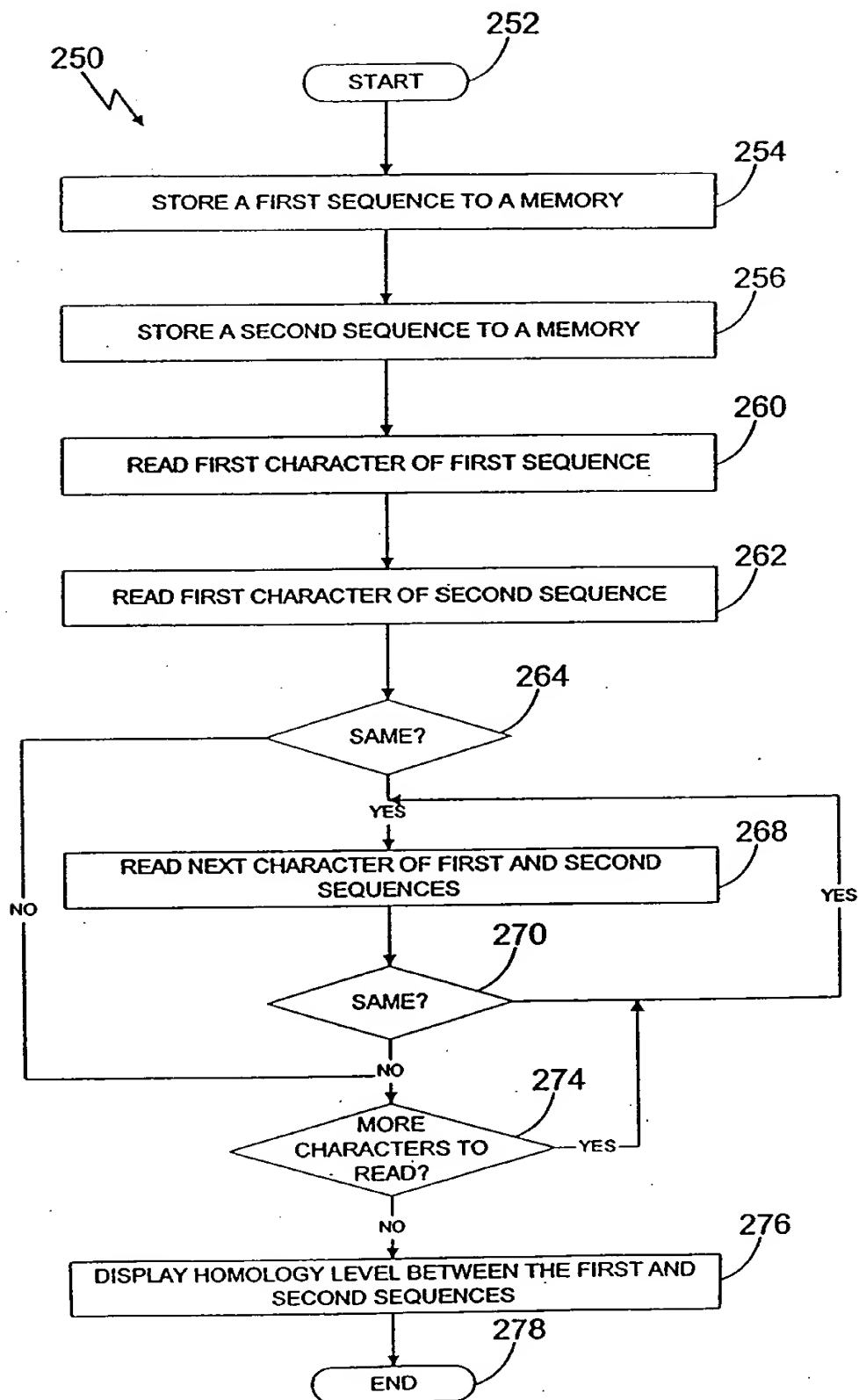


FIGURE 5

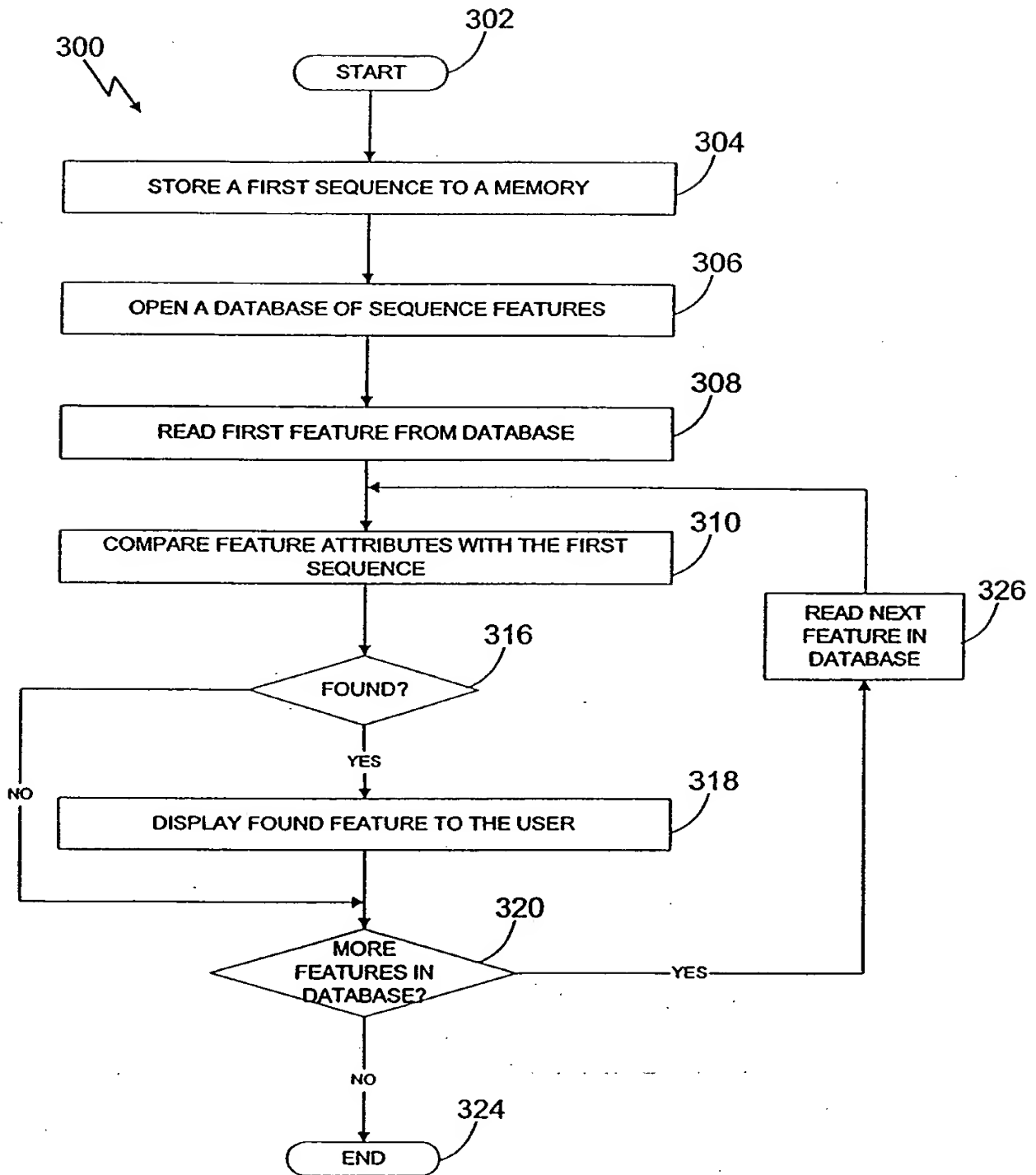


FIGURE 6

Human_Claspin_Genomic Sequence Length: 58837 Type: N

```

1  AAGCAGGTAG TTTTAACTT TACTCCAGAG GAATAGCAGT ACTAAAAATG
51  TAACATGGTA ATCTTCCTCA ATTTGCAGAA AAAGAAATAA AAGACATAAT
101 TCAGTCAATT ATCTTCCTCC AAACCTTCTT AAGCCTTTGG TTTCTGCTTT
151 TGTCTGCCAA GGAGCACAAT ATAAATAGAG CACTTTTAGA ACTGGCTGAG
201 CATGTTAAGT TCCATGGCTG ATTTTTTCCC AGACTTGTAAG TGTGAGAATT
251 GCTTTTTTAAA TATTTTTTTG TGATATAATA ATATATCCTA CTAGTTAAAA
301 TGTTTCCGCA TTCAAATGAC CAGATTAACA GCATCAGTAC TGCAAAATGC
351 TTCTATGAA GTGCTATACT TTCGGGTGCC CTACTCATTG AACCTATTTG
401 AGAATCATGA TCTCATCCAG TGTTTTCTAG TTACAAAAAA GAACAAGTTT
451 CTTTTCTTTT TTTGAAATGG AGTCTTGCTC TGTCACCCAG GCTGGAGTGC
501 AGTGGTGCAC GATCTCAGCT CACCACAATC TCCGCCTCCC AGGTTCAAGC
551 AATTCTCCTG CCTCAGCCTC CCAAGTAGCT GGGACTACAG GTGCCCGCCA
601 CCACGCCCGG CTAATTTTTG TGTTTTTAGT AGAGTCAGGG TTTCACCATG
651 TTGGCCAGGC TGGTCTCAAA CTCCTGGCCT CAAGTGATCT GACTGCCTCA
701 GCCTCCCAAA ATTCTGGGAT TACAGGCATG ACCCACTGCA CCCAACCTCC
751 AAAAAAGAAC ACATTTCTGA GAAACTAAAT TAGTTACCTA AGTTTATGAA
801 GCCCTCTATG GGACAGGTTT AGACTAATCC CTGTAAAGTG AGCACTCCAG
851 ATGTTTCCTT TGTTGCCATT TATCAACTTG ATAAACAAGG ATTGTTGGAT
901 GACTACAACA ATGAAGGGAC AGAGAGGTCA AGGTGATTCA CAGGTTTCTA
951 AACTGGTGAG TGGATATGGT TCCACTCACC AAAATTGAGA ATACAGGTTG
1001 CTAATCTAA ATACAGACTC ACTTTATCTT GGCACAAGTT AATGTGTAAA
1051 ATAAAAGTTT CCTGGGGATG GGAGGAGTAT GAAGTTGTTG CTTAATGGGC
1101 ATAGAGTTTC AGTTTTGCAA GATGAAAGGA GTTCTAGGCC AGGCCCGTTG
1151 GGTCACACCT GTAATCCCAG CGCTTTGGGA GGCCGAGGTG CATGGGTAC
1201 TTGAGGTCAG GAGTTCAAGA CTAGCCTGGC CAACATGGTG AAACCCCGTC
1251 TCTCCTAAGA ATACATACAA AAAAGTAGCC AGGCGTGGTG GCAGGTGCCT
1301 GTAATCCCAG CTACTTGGGA GGCTGAGGCA GGAGAATTGC TGAACCCGG
1351 GAGGCAGAGG TTGCAGTGAG CCAAGATAGC ACCATTGCAT TCCAGCCTAG
1401 GCAACAAGAG CAAAACCTCA TTTCAAAAAA AAAAAAGAAG AGAAAAAGAA
1451 AAGAATTCTG AAGATTGGTA GATTGGTTAC ATAACAATTT GAATGTACTT
1501 CTGAACTGCA TACTTTAAAA TGGTTAAGAT GGTAATTTTC ATGTTATATA
1551 TGTTTTACCA CAATAAAAAT TGAATGAAAG GTTTTCCTTT CCTAGCTTAC
1601 CCATGTCCAC CCATTGTTCA AATTGGAGCT TTCTCTCTTA GCTTCTGTGA
1651 TGAGTGAAAA GGTGCTCCCC AAAGATATTT TAAAATACTA ATATAAGGAA
1701 TATTATTTCA CTCATTCAAT TTCAGAGGGA GCTCAAGAAG TTGTCAAGTG
1751 AATGAATTAA TTAGTTCAAC AAATATTTAT CAGTTTTCTT ACCTTGAACC
1801 TGGGATGTTT TAAGTCCTTT GTTCTCAAAG TGTGGTCTCC AGATCAGCAA
1851 CACTAGCATC ACCAGGGAAT TTGTTAGTAA TATACATTCC TGTGGGGCAG
1901 GGTGGTTCAT GCCCGTAATC CCAGCACTTT GCGAGGCCGA GATGTGCAGG
1951 TTGCTTGAGT CCAGGAGTTT GAGACCAGCT TGGGCAACAT GGTGACACCC
2001 CGTCTCTACA AAATAAAAAA TTAGCTGGGC ATGGTGGTGC ACACCTGTAG
2051 TCCCAGCCAC TTGGGAGGCT GAGGTGGAAG GGTTGCTTGA GCCTGGGAGG
2101 TTGAGGCTGC AGTGAGCTGT GATCATGCCA CTGCACTCAG GGAGAAAAAG
2151 AAAAAAAGGA AAGAAAGAAG TATACATCTC TGGACCCAC TTCAGACATA
2201 CTGAATCAGA AACTTTGGCA CTAGGACCCA ACAATAGCTG TTTTACCAG
2251 CCTTTCAGAT TATTCTGATG CATGCTCAAG TTTAAGAAAG ACAATTCTAG
2301 GTTGCAATGA TACAGAGGCC AAGAAAAACA AACGCCTGTT CTCTGGGAGC
2351 AACACAGAC AAATAGATAT AAATAAAATT TCAGGCAAAG GAAAGTGTTA
2401 TCAGGGAAAC CAGCATAGGA TAAGGAGGCA GAACACAGAG GATGCTCAGG
2451 CAGGGTCTTT CTGAGGGGTA TGAGCTCTGA AGTCACATAG AGTCTGAAAA
2501 TTGGCTCCAC CAGTTTCTAG CCTTTTAAAA GTCTGGTTTC CTCATCTTCT
2551 AAGAAAGAGA TAATAATATT ACAAGTTTAC TCTGAAGATT AAATAAGATA

```

FIGURE 7A

2601	ACACTTATAA	AATCCTTGCA	ACTGTTTCTG	CCACTGAGTA	AGGCTTCAAT
2651	AAACGTTAGC	CCTCCATATA	TGATGGGGAG	TGCCATAGAT	GTATACCTGG
2701	GAATCGTTGA	TGTAGAAATT	AATAGTAAAT	GGATGAAAAG	GTGGATAAAC
2751	CAAGACACAA	AAAGAGAAGA	GGATGGATGA	TGGGCTCTTG	TTGGTGGGGA
2801	CAGAAAGTGA	TTGAGAGATG	GTGGGGAAGT	AAAGAAATGA	AGATGTGGAG
2851	AGGGAGCTTT	TTTCTGAACC	CAGCTAAAGG	TGGAAACTTG	GAAGAGGAGG
2901	CCAGTGGATT	GGGTGAAGAA	CCAACCATTT	GGTATACCTG	TGACTGAGGA
2951	GGTTCTCAGG	ATGCAGGACT	TTTAGTGCTA	AAACTAGGAA	AGTCCTGGGC
3001	AAGCTGGGCC	AAGCTGGCCA	CACTGGCAGT	GGATATGACC	ATGGAGGGTG
3051	AAGTGAGCAA	TAAATACTCT	GACCTTTCTT	TCCTGGTGGC	CTCTCATCTC
3101	CTTACAGTAA	CCTTATAAGG	TGTCTTTACA	GGGGCCTGAC	CCAACCAGAA
3151	GGGCAAGGGA	GCTGGGATAA	TACAGTCTAG	AGAGGTCAGC	CTTGCCTTGA
3201	CACACACCAG	GGTAAAGGAA	GGACAGAGAA	TTGACCTGGA	GAGGCAAAAA
3251	ATAATGGCCA	GCACAGTGGC	AAAAGTGGGA	TTAGAAATTGT	CTGGGATAGG
3301	CCAGGTGCGG	TGACTCACAC	CTGTAATCCC	AGCACTTTGG	GAGGCTGAGA
3351	CGGGCGGATC	ACGAGGTCAG	GAGTTCAAGA	TCAGCCTGGC	CAAAATGGTG
3401	AAATCTTGTC	TCTACTAAAG	TTACAAAAAA	TTATCTGAGC	GTGGTGGCAC
3451	ATGCCTATAA	TCTAGCTAC	TCAGGAGGCT	GAGGCAGGAG	AATCGCTTGA
3501	ACCCGGGAGG	CGGAGGTTGC	AGTGAGCCGA	GATCACGCCA	TTGCACCCAG
3551	CCATGGTGAC	AGGGAGAGAC	TCTGTCTCAA	CAAAAAAAAA	AAAAAAAAAA
3601	AAAGAACTGT	GTCTGGGATA	AACCTGATTT	CAGAGCTTCA	ATTCTTTTTTC
3651	CAGCCTTGTT	TAAAGGTAGA	ATGCCCTCTA	GGAGTGATGA	GTGCTTTCTA
3701	CATCCTCAAA	TTAACTCTAC	AGAGAATTAT	AAAGATTATC	CAACCATATT
3751	CTTTGGTATC	TGAGCAGCCC	ACAAAACCTT	TTTCTTTAGA	GACAAGGTCT
3801	CCCTCTATCG	CCTACGCTGA	AGTGCAGTGG	TGCGATCATA	ACTCACTCTA
3851	ACCTCAAAC	CCTGGACTCA	AGCCATCCTC	CCACCTCGGC	CTCCCAAAGC
3901	GTTGAGATTA	CAAGCGTGAG	CCATGGAGCC	CGGCCCTCTT	TAAAAAATAA
3951	AAGTGGGCCG	GGCACAGTGG	CTCACGCCTG	TGAGGGGTAT	GAGGCCTCCC
4001	AGCACTTTGG	GAGGCCGAGG	CGAGGATCAT	TTGAGATCAG	GAGTTCGAGA
4051	CCACGGCTGC	CAACATGGTG	AAACCCCGTC	TCTACTAAAA	ATACAAAAAT
4101	TAGCCAGGGG	TTGGTGGCGG	GTGCCTGTAA	TCCTAGCTAC	TCAGGAGGCT
4151	GAGGCACGAG	AATCGCTTGA	ACCCGGGAGG	CGGAGGTTGC	AGTGAGCCGA
4201	GATCGCGCCA	CTGCATTTCA	TCCTGGCTAA	CAGAGGGAGA	CTCCATCTCA
4251	AAAAAAAAAA	AAGTGTGTGT	GTATACACAT	ACATGTGTAT	GTGTATATAT
4301	GTGTATGTAT	ATATGTGTGT	ACATATGTGT	GTGTGTGTGT	ATATATATAT
4351	ATATATATAT	ATATATATAT	ATATATATAT	ATTCAAGTGGT	AAGTGTATAT
4401	TACAAGAGGC	ACACAGGATC	TAGCTGCTCC	AGAAATGAAG	TCAGTGGAGA
4451	AAATCCCCAC	GGGAACCTTG	GAATTCCTCT	AAAAAGTTCA	GGTACAGGAC
4501	ACTCCCAGGT	GCCCAGGAAC	CGTTTCCCAG	CTCACTTCCC	CCCGAAAGAC
4551	TCACCCCTCC	AATCGCACTC	GATGCTTTGG	CAAGTGTCAA	AGGTCAAAGA
4601	CCACGGCTCG	CCTGGTACCG	ACTGCCCCGC	CCCCGTGCAC	CTCCAGCTCC
4651	CCCAGGCTCC	GCTACCAGCA	GCTGCGACCC	GCCAACTCAG	CCTGGGTAAT
4701	AGGAGATTGG	GCGGCCAGAG	GCGCTGCGTG	ATTGGTGGGT	CGGAAGGGGG
4751	CGGGGACTCG	CTGGAAAGCC	CCCTCTGGAT	TGGTGCAAAC	CATCTGGGTG
4801	GGACCTCCAC	TCTGGCTGGG	CGGAAAAGCA	AGAACAGCAC	TGCTGGGCTG
4851	GAGACGGCGG	GAGCCGCTGC	TCTCCGGCTG	AGGGAATCAG	AGACAGCTCC
4901	GTCCCTAGTG	GAGCGCAGGG	GAGGCAGAAG	TCATGACAGG	CGAGGTGGGT
4951	TCTGAGGTGA	GTTTATGCAC	ACGCCCCCCA	CGGGGGCTTA	GAAGGCCGGG
5001	CACCGAGAGG	TTAGGTGGGG	CCGGGGTAGA	CCCCGCTGAC	CCGAGCGGCC
5051	CGGGCGGGAG	GACTGCGGCT	CCCGCGGTTT	GCCGCGCCGG	CTCCGCGGCC
5101	CTCGAGACTC	GGCCGGGATG	GGTTCCGACC	GGGCATCCCG	TCCCGCCGCC
5151	GGGCTTCCCG	CGCTTCGGGC	TCCGTGGCCG	GAGAGCTCCA	GGTCTCTGCG
5201	CGCGCAGTGC	CCGGCAGCCC	AGCCCCCTTT	CAGCCGGTTC	CTGCCGCCAG
5251	CCCTCCCCTT	TGGCGCGTTT	CCTGTCGCGG	AAGCTCCTCC	CCTCAGGGTG

FIGURE 7B

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5301 CTCTGAAAGC CGGGAGGCTC TAGCCGAACC CGGCCGCAGC GGTGCGGGGG
5351 GATTCTCCGC AGAGAGAGGG CGAGCGAGGG TGTAGGGAG TTCCACACTG
5401 GGCCTGGGAG GGGCCCTGGA GGTCATCGCG CGCAGGCCCT TTGCGTTTTTC
5451 CGACCGGGCC CCGAGTGGGG AAGTCACCGC TGGGGCTCCT GGCTGGTGGC
5501 TGGCAGCTCC CTGGCGAAAT TGGGCATAGA AAACAGATGT TTCCAGAGCT
5551 GTGTCTTTTC TGGGCCGGAT TCGGGCAAGG CACTCCCGCC TTAGGAGCAA
5601 AATTTAAAGG GGCGCCAAAA CCCTCAATCA AACTCATATT TTAATGCAAT
5651 ATTTTTAAAA AACCAAATT AATGCAAAAA CTTTTTATGA TTTGATATTG
5701 AACAAAATAT CAGACGTTTA AACAAAGACG AGATCCGACC AGTCATTTGC
5751 ACGACCTTGC CTCAATCACC TCACCCTAAT TCCATCCCTG TTTCCAATAA
5801 ACTTTATTTA CAAAAGCGGG CATATTATTT ACCTCATGAG CTGTAGATTA
5851 TTGATTTAAT TTTTTAAAA ATATTGCATT AATGTTATTC ATTTTGATTA
5901 CTGAATTTTT TGAGACCTCA CCCCACCCTG TTAAGTGGCC TGCCCTTTGA
5951 CGTTGCTGCA AATTGCCTAG AAGATAATCG TCATTCAAAG CAGCCCTATT
6001 CCTTGAGCTG TCTGGTTACC TAAATTCGGT TTCCACACTC ACAAACAGAA
6051 GTAATAGTTT TACTGCTTTG GATTGTTGAG AGGATCATCA GTGCATACAT
6101 ATTAATTCTC AGCAATCCCA GCACCTCGGG AGGCTAAGGC CGGCAGATTG
6151 CTTGAGCTCA AGAGTTCGAA ACCAGCCTGC ATAGAAAACA TGGCAAAACC
6201 CCGCCTCTAC AAAAAAAAAA AAATTAGCCG GCGTCGCCT GTGGTCCCAG
6251 CTACTCGGTC CCAGCTACTC GGGTGGCTGA GGTGAGAGAA TCCTTTGGGC
6301 CTGGGAGGTC AAGGCTGCAG TGAGCCATGA TCCTGCCACT GCACTCCAGC
6351 CTAGGTGACA GAGTGAGACA CTGTATCAAA AAAAAAAAAA ATTTGTACCT
6401 TGCATTCAAA TCAATTTAAT AATTTTTTTT TTTTGAGAC GGAGTCTCGC
6451 TCTGTTGCCC AGACTGGAGT GCAGTGGCAC AATCTCGGCT CACTGCAACT
6501 TCTGTCTCCT GGATTCAAGC GATTCTCCTG CCCCAGCCTC CTGAGCAGCT
6551 GGGACTACAG GCACACACCA CCACGCCAG CTAATTTTTG TATTTTTAGT
6601 AGATACGGGG TTTTACTGTA TTGGCCAGGC TAGTCTCGAA CTCCTGACCT
6651 TGTGATCCAC CCACCTCGGC CTCCCAAAGT GCTGGGATTA CAGGCTGAG
6701 CCACCATGCC TGACCAATTT AATAATTTTT TGAGAAACCA CTCAGCTGAG
6751 GCCTTGTGCC CTGTTACATT ACTGATGTTT ATATTTCTCC CTTTATTAAT
6801 AAGTTGATTC AGAGCCCTGA GAACACTAAG GAGGTAGACT TGGCATCTAG
6851 GGTTAGCTTT AAGGTCACCT ACTGATCAAG TCACCTAACA CACCCCTCCT
6901 CCTTAGGTTT TTATTTGCGA CTTTTTAAAC TGTCTTATTT AGAAATTTTC
6951 AAACCTATAC AACCCTAGAA AGGATGGTAT AATGAACCCA TCACCTTACT
7001 TCAACTACAG TTTGAATATC TCTCGTCTGA AATGCTTGGG ACCAGAAGCG
7051 TTTTGAATTT CAGATTCATT TTGGATTTTG GAATATTCGC ATACACATAA
7101 TGAGATATCT TGGGGGAGGG ACCCAAGTCT AAACATGAAA TTCAGTTATA
7151 TTTCATATAT ACCTTACACA CATAGTCTGA AGGTAATTTT ATACAGCATT
7201 TTAATAAAT TTCGTGCATG AAGCAAAGGT TTTACTGCAG CTCATCATAT
7251 GAGGTCAGGT GTGGAATTTT CATCTAGTGG CATCATGTCA GTGCTCAAAT
7301 ATTTTGGAAT TGGGAGCATT TCAGATTTTC AGGTTAGAGA TGTTCAACCT
7351 GTATTTTCAA GTCATGGCCA ATCTTGTTTT ATTCATACAG CTACCCATTT
7401 TTCTCTCAC AGGATTATTT GGAAGAAAAT CCAAGATATC ATATTATTTG
7451 AACCACAAAG ATTTTAGTGT GCATATCTAA CAAACAAGAG CTTTCCAAAA
7501 ATAGATACTA CGATATTATT ACCACACCTA AGAAGTATCT AGTCAGTGTT
7551 CAGATTTCTT TGAATCAGAG ATATTTTATT TATTTTTATA TGCCACTTTA
7601 GCATAATTAT TTACATTTTT AGTTTTTTGA ATCATCATCC GAAGTTGGCA
7651 TTTTGTAAAT GTTTATATTA TATATGTGTA TATATGCATA TATGTATGTA
7701 TTTTAAGATA TACATACATA TATAAAGCAT ACATTTATGT ATATAGAAAT
7751 ATACAGGGCC GGTGTGGTG GCTTACGCTT GTAATTCCAG CATTTTGGGA
7801 GGCTGAGGCA GCGGATCAC CTGAGGTCAA AAGTTCGAGA CCAGCTGGC
7851 TAACATTGTG AAACCCCGTT TCTACAAAAA ATTAGCCGGG CAGGTTGGCA
7901 CGCACCTGTA ATCCAGCTA CTCGGGAGGC TGAGGCTGGA GAATCGCTTG
7951 AACCAGGAG GCGGAGGTTG TAGGGAGCCA AGATCGTGCC ATTGCACTCC

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FIGURE 7C

8001	AGCTTGGGCA	ATAAGAGCGA	AACTCCGTCT	CAAAAAAAGA	AAAAAGGAAA
8051	TATACATATA	GCCGGGCGTG	GTGGCTCACG	TCTGTAATCC	CACCACTTTG
8101	GGAGGCTGAG	GCGGGCGGAT	CACCTGAGGT	CAGGAGTTGG	AGACCAGCCT
8151	GACTAACATG	GAGAAACCCC	ATCTCTACTA	AAAATACAAA	ATTAGCCAGA
8201	CGTGGTGACA	CATGCCTGTA	ATCCCAGCTA	CTCGGGAGGC	TGAGGCAGGA
8251	GAATCGCTTG	AACCTGGGAG	GCAGAGGTTG	CGGTGAGCCG	AGATCGCGCC
8301	GTTGCGCTCC	ATCCTGGGCG	ACAACGGCAA	AACTCCATCT	CAAAAAAATA
8351	GAAATATACA	CATAGCATAT	AGAAATATAC	ATACATATAT	AAATATATAG
8401	AAATATACAT	ACGTACACAC	ATATATACAT	TCACTTATGT	GTAACTTTTC
8451	TTTATAGGTT	TCTCTCCCTC	TCTTTTTTTT	TTCTTTGCAA	TATATTGTTA
8501	AAGAAACCGG	CCGGGTGCAG	TGGCTCATA	CTGTAATCCC	AGCATTTTGG
8551	GAGGCCGAGG	TGGGCGGATC	ACCTGAGGTC	AGGAGTTTGC	AACCGGCCTG
8601	GCCAGCATGG	TGAAACCTTG	TCTCTATTAA	AATAGAAAAA	ATTAGCTGGG
8651	TGTGTTGATG	TGCGCCTGTA	ATCCCAGCTA	CTCAGGAGGC	TGAGGCAGGA
8701	GAATCGCTTG	AACCCAGGAG	GCAGAGGTTG	CAGTGAGCCG	AGATTGCACC
8751	ACTGCACTCC	AGCCTGGGTG	ACAGAGCGAG	ATTCTATCTC	AAAAAATAAA
8801	AAAAAAAAGA	GAGAGAGAGA	GAAAGAAACC	ACCCAGTTTG	ACTTGTAGAA
8851	TTTCCCACGT	CTAGATTGCA	TATCTGTGGT	ATTATTCAAC	ATGTTCCCTC
8901	ATTCCCTCTA	TTTCCTATAA	CTTGCTAGTT	AGATCTAGAG	ACTTGATAGG
8951	ATTCAAATTT	GATTGTTCTG	TCAGGAATAC	TTTATGGCTA	GTATTGGGTA
9001	CTTCTATTAG	GCAGCACATA	ATGTCTGGTT	GTTTCTCTTT	TGGTGATGTT
9051	AGCAGCCATT	AATGATAATT	GCCTAGGTCT	GTTATTTAAT	TGAGGGTTGA
9101	TAAAATTGTG	ATAATCTAAT	TCTATCATTT	ATTAATTCAT	TAGGATATTT
9151	CTCTAAATAG	AAACTTCCCC	TCATCAATTG	TATGGATATA	TTGGGGAACA
9201	GTTACACACAG	AAAAGGCATA	ATAAATGCTT	GATTCTTTTC	ATTTTTTTTT
9251	TTACCGTTAC	TAAAAGAGTT	GGTTCTGTTA	GCATCCTTCA	AAGGTGAAAA
9301	ATGAACCTTT	GTTTGTTTGT	TGTCCAGTAA	TTCTAAATGT	CATCCCTTCA
9351	AGGAACCAT	GTATTGGT	CTTTCCTTAG	TTCAGGTTGA	TGATCCCACG
9401	ATGATTGTG	TGTCATTATG	TACTTGGAGC	TTTCGGTCAC	CTGCTGGTTG
9451	ATATAAAGTA	TATTGTCATT	TTCTAGGTTT	ACCTAGAAAT	CAATGACCCA
9501	AACGTCATTT	CACAAGAGGA	AGCAGATAGT	CCTTCAGATA	GTGGACAGGG
9551	CAGCTATGAA	ACAATTGGAC	CCTTGAGTGA	AGGAGGTTTG	TAATAGTACT
9601	TTTATTTTAA	GGAATAGGTT	GCGGGAGCCT	CAGTTGTAAG	TAGATTGGAT
9651	TGATTTCAAT	ATTCTCTTGA	TTTATTACAT	TATTAATGCC	CCATCCTTAT
9701	TGTTTGTGTT	ATTATAAAAG	CAAAATAACA	GTGCTTGTAC	CTTTTTGAAA
9751	CTATGTTATA	TTGTTGAATG	TCTAATAGCT	ACCATATTGC	CTGGTTAATT
9801	GCATTCATCC	TATAATAAAA	GGAATTTTAA	CACCTGCCGG	AGGTTAGAAC
9851	AACTTTACAC	ATTGTAAATA	TACGTAAAT	TACATTTCCC	AGTAAGAGAC
9901	ATTTTCCCA	GGGAAAATGT	TTTTCAAAT	GTATTTTATG	ATTTGCTTTG
9951	CTACAATCAG	TTCTTAACAG	TAGTCACGTA	ATTCACAAT	GTTATATATC
10001	ACTTGATATA	AAATATATTT	TTGAGGAGTA	GTGGGACTAG	GAGGAAGATC
10051	AAATGATGGT	ATAATTAAAA	GAAAATTGTT	TCCTCCAGAT	TCAGATGAAG
10101	AGATATTTGT	AAGTAAGAAG	TTGAAAAACA	GGAAGGTTCT	ACAAGACAGT
10151	GATTCCGAAA	CAGAGGACAC	AAATGCCTCT	CCAGAGAAAA	CTACCTATGA
10201	CAGTGCCGAG	GAGGAAAATA	AAGAGAATTT	ATATGCTGGG	AAAAATACAA
10251	AAATCAAAAG	GATTTACAAA	ACTGTGGCAG	ACAGTGATGA	AAGTTACATG
10301	GAAAAGTCTT	TGTATCAGGA	AAATCTTGAA	GCGCAAGTGA	AACCTTGCTT
10351	AGAGCTGAGT	CTTCAGTCTG	GAACTCTAC	AGACTTTACC	ACTGACAGAA
10401	AGAGTTCCAA	AAAGCACATA	CATGATAAAG	AAGGAACTGC	AGGAAAAGCA
10451	AAAGTAAAAAT	CAAAAAGAAG	ACTTGAGAAA	GAGGAGAGAA	AAATGGAAAA
10501	AATTAGACAG	CTAAAAAAGA	AGGAAACAAA	AAACCAGGTA	CATTTTAAAG
10551	AATAATTTGC	TATTGCTTGG	GTAGGTTAAC	ATTTTAGAAA	AGTTTGTCTG
10601	TAGTACTTGA	GGTTGTTTCT	GCTCTCTGAC	TATTGCTTTG	AATTTGACTAT
10651	TTTGTGTTGA	GAATTATTCT	CAATAGGTAT	GTGATTTAAA	ACTAACTGGT

FIGURE 7D

10701	CTTGGCCAGG	TGCAGTGGTG	CATACGTCTA	ATCCCAGCAC	TTTGGGAGGC
10751	TGAGGCCAGA	GGGTCACTTA	AGCCCAGGAG	TTCGAGAACA	GCCTAGGCAA
10801	CAGAGTGAGA	TCCCATCTCT	ACAAAAAATT	TAAAAATTAG	TTGGGTGTGG
10851	TGGCCGTAGT	CCCAGCTGTA	GTCCCAACTA	CTTGGGAGGG	TGAGGTGGGA
10901	GAATCACTTG	AGCCCAGGAA	GTCCGAGGCTG	CAATGAAGCT	GTAATTGTAC
10951	CACTGCATTC	CAGCCTGGAT	GACAGAGTGA	GACCCTGTCT	CAAAAAAAA
11001	AAAAACAAAA	ACCAAAAAAA	CAAAACTTAT	TGGTCTTATT	CTATTTTGGG
11051	TATGCAGAGG	ACATTTCCAA	ATAAATGGGT	TTCTGATTTT	CTTTATGAGC
11101	ACATGGAGTA	ATTCTTTGCT	GTCTCTGAGC	TGATGAAAAT	TAAGTAAAG
11151	AAGGCTTTTT	TATGCATCTA	TCAGTCAGTA	GTCTTGTTTG	CTAACTAGAA
11201	AAACCATCCT	CAAATTTATA	AACTAGTTGC	TTAACAAGTA	TTTTACTTCA
11251	AAAAAATATT	TACTGTTTAT	TAAGTTAGTT	TTAGACAGTT	GCATAAAATC
11301	ACAACCTGGA	CTTCAAAGGA	TACATGTGAG	TTAGAAACCA	GTAAGAATGT
11351	TCTAGATTTT	ATATGCTTGT	CTGTTGATGA	AACATGGGCT	TTTTCTGGCC
11401	TGATCCAAAT	TGCCATATGA	TGTTGTGAAA	TACTGGATTT	TTAAATGATT
11451	GGATTATGCT	TTTTGTTTAT	GTATTACTTA	GGAAGATGAT	GTAGAACAGC
11501	CATTTAATGA	CAGTGGCTGT	CTTCTTGTGG	ATAAAGACCT	TTTTGAAACT
11551	GGGTTGGAGG	ATGAAAATAA	CTCTCCATTG	GAAGATGAAG	AGTCATTAGA
11601	ATCAATAAGA	GCAGCTGTAA	AAAACAAAGT	AAAAAAGCAC	AAGGCAAGTA
11651	AAGCATGATT	GCAATAAGAG	TTAATCAACT	GCTTCTGACC	TTTGCTATAT
11701	TTTTAATTTA	CTGTTGGAAC	CTTAATTTTT	TTTTTAAGTG	AAGAAAAACT
11751	TGTGTCAGTT	GACTTAAGTG	TTTCAGCTGT	TAATTTTGGG	GACTTGCAGT
11801	ACAAGTGATA	GACATGCTAA	CTTCTTTGGA	AACTAGTGTT	TTGTTATTAC
11851	CCTTTTAGGA	ATGCTGAAAA	AAAAAACCAC	TAAGATATTT	GATGGTGTAG
11901	TAAGATGCAG	GTAAATAATA	GGGAAGAGAT	GTAAATTTTG	CAATCCTATA
11951	GCCTTTGAGA	AATGAACCCT	ATAGGGTTTC	AGGAAGGGTA	TCAAAGAGAG
12001	GCATCAGTCA	AAACATTGTT	GTCCCAGAGT	TTTGGAAGCA	TAATTTTTCT
12051	TCCTAAGATT	TTTTTTTAGC	TTCTGCGAG	TTATTATCCC	TCTTTAGGGA
12101	AAGATGTAAG	CAGAGGTAAA	AGAAATAAGG	GTCCAGACTC	CATCTGAGGT
12151	ATCTGTTTTT	TAAGCATAAT	AGGATGCTGT	GTGTTTAATA	ATTTCTAGTT
12201	GATGATTATT	GATTTATTAA	TGTAGCATGA	TGTGGTGTTG	GACTACAAAA
12251	GTAGTCTTCA	GCTAAAGCAT	CCTCTTATTT	GAATTTCTGT	TTTGTCTTAA
12301	TCAACCTGCC	ATTTCTTTTA	GAAAAAAGAA	CCATCTTTGG	AGAGTGGGGT
12351	CCATTCATTT	GAGGAAGGAA	GTGAGTTATC	AAAAGGAACC	ACGAGGAAGG
12401	TGAGGTAGAG	CCCTGTATAT	TAGTCACACT	GATCTCTTTA	CACAGGAGAT
12451	TATAGATTTT	TTAGGGATAA	ATATTTTATT	TTGTCTATCA	TATTTTTCTG
12501	TTACCCATCA	TATTGCTTTG	TACATAGTAG	GAACAAAATA	TGGATTGGAT
12551	TGAACAAATT	CTCTGAGACT	TGGGAATAAA	TGAATTCCTT	GAGTTTATAC
12601	TGCATTTGGG	CTTACTCATG	CTTACTATTT	CCTTTCCTCT	TTTCTTGGAG
12651	AGAGCAAAC	CTTGAGTGAT	GAATATCTAT	CTTCTGGAT	ATTCATATAA
12701	TTAATGTAGT	CTCACTTCTT	GTTTTCTTTA	AGGAAAGAAA	GGCAGCCAGA
12751	TTAAGTAAAG	AAGCATTTAA	ACAACATGCAT	AGTGAGACTC	AGCGCCTTAT
12801	TCGAGGTAAT	GCAACCCAGT	AAACTTTGAG	GCAAAATCAC	AACATTTCTT
12851	TGTAAGCTCA	ACTTGATGTG	TGGGGACTTT	TATTTTTTTA	ACACTTCTAA
12901	TGTGAACCTA	GGTTATAATA	TTAAGTTTAG	AATTGATCTT	GGTGAAAGGC
12951	CATTGTTCTA	AAGCCCTTGG	AACATTAGTA	TAAACTGAAG	AAATTTTCAG
13001	AACTGTAGTG	CAGGTAAGGA	GGAAATTTT	TAATGGTTGT	CTATGGACTG
13051	ATTGTGTCAG	GATTCTTTGG	AGAGGTAGTA	ATCCCTCCCT	ATTTGCAGTT
13101	TTGGTTACCT	GTGTCAGCCA	TGGTCCATGG	AACTTAAAAA	TATCATCCCT
13151	TTGTCCAGAG	TATCACGCTG	TATACATTAC	CTGCCTGTTA	GTCCGTTAGT
13201	AGCCCTCTCA	GTTATCAGAT	CAAAAAAACA	CTGCATGGTT	TAGTACCATC
13251	TGCAGTTTCA	GGCATCCACT	GCAGGTCTTG	GAATGTGTCT	GTCTGGATAA
13301	GCGGGGACTA	CTGTATATAA	ATGTTTAGGT	CCCACAGAGA	TTCTGATTCA
13351	GTAGATTTCGA	AATGGGATCC	AAGAATCTGT	ATTTCTAAAA	AACCTCCTGG

FIGURE 7E

13401	ATCATTTTGA	TTTCACATCT	AGGTTTAAAA	GCCACTGGTC	TTCAGGGAGC
13451	TTTTTTGTAC	TTAGCTCCTC	TGCCTTTGTT	AAAGGGGAGT	TTTCTATTTT
13501	TAGTGATGGC	TTTGGTTATT	ATGTTTAGTT	AACTGAATAT	GAAGTGACAT
13551	TTCAGAAATAT	ACAGTATATA	TATTTGCTTG	TTTATTCCA	TTTTATAGAG
13601	TCTGCACTGA	ACCTTCCATA	TCATATGCCT	GAGAATAAAA	CCATTCATGA
13651	TTTCTTCAAA	CGTAAACCCC	GGCCCACTTG	CCACGGAAAT	GCCATGGCAC
13701	TATTGAAGTA	AGAACCCTCT	TTCCTTATTA	TAATTTTCAT	GAACATTTAG
13751	TTTTGTAGCA	AACATCTGGC	ATAAAAAGTT	CAGATTTCTC	ACTCCCTTAA
13801	AACTGATTTA	ACTGATATAT	ACTAAGGGAT	GAGAATGTTT	CACATTTAGG
13851	ATAATTTTCA	ACTCCAGCTC	AATTTCTCTT	CTCTAGGTCA	TCTAAATATC
13901	AGTCAAGCCA	TCACAAAGAA	ATCATAGACA	CTGCAAATAC	TACTGAAATG
13951	AACAGTGATC	ACCATAGTAA	AGGTTCCTGAG	CAGACAACAG	GTGCAGAAAA
14001	TGAAGTGGAA	ACTAATGCAC	TCCCTGTAGT	TTCAAAGGAA	ACCCAGATCA
14051	TTACTGGATC	AGATGAGTCT	TGCAGGAAGG	ATTTGGTAAA	AAATGAAGAG
14101	CTAGAAATTC	AGGAGAAACA	GAAGCAGAGT	GACATTAGAC	CTTCACCTGG
14151	GGACAGCTCA	GTGTTGCAAC	AGGAATCCAA	CTTCCTCGGG	AACAATCACAC
14201	GTGAGGAATG	TCAGGTTGGA	GGGCTTGTAG	CATTGTAACC	TCATGCCCTG
14251	GAGGGTGAAG	GCCCCCAAAA	TCCAGAAGAA	ACAGATGAGA	AAGTGGGAAGA
14301	GCCTGAGCAG	CAAAATAAAT	CATCAGCAGT	TGGGCCACCT	GAAAAAGTGA
14351	GACGGTTTAC	TCTGGATAGA	CTTAAGCAAC	TGGGAGTAGA	TGTTTCCATT
14401	AAACCACGGC	TAGGTGCTGA	TGAAGATTCC	TTTGTGATAC	TTGAACCTGA
14451	AACCAACAGA	GGTAATCCTT	TACATTGTGG	GGAGCCTCCC	TGGAGTGATT
14501	ATCCTGGTAG	CTTTTGATTA	TTGACTACTG	TCGAGGACAG	AGAACACAGG
14551	AGGAACCAAT	AACCACTTTG	ATCTTATCCT	GCAGTTGTTC	CAGATATGGG
14601	CAGAGTCTTT	TTTAGAGAAA	TTTGGCAGGG	TATCAGAAATG	ATCTAAGCCA
14651	TGTTTAAAAAT	GGAAGTCTGT	TGGCTGGGTG	CGGTGGCTTA	CGCCTGTAAT
14701	CCCAGCACTT	TGGGAGGCCA	AGGCGGGCAG	ATCACGAGGT	CAGGAGTTTG
14751	AGACTAGCCT	GGCCAATACA	GTGAAACCCC	GTCTGTACTA	AAAATACAAA
14801	AATTAGCCGG	GCATGGTGGC	ACGCATCTGT	AGTCCTAGCT	ACTCGGGAGG
14851	CTGGGGCAGG	AGAATTACTT	GAACCCAGAA	GGCAGAGGTT	GCAGTGAGCC
14901	GAGACTGCAC	CATTGCACTC	CAGCCTGGGT	GAGAGAGCGA	GACTCTGTCT
14951	CAAAAAAAAA	AAAAAAAAAA	AAAGGTTGTT	GATAGTTAAT	ATAAAAAAGA
15001	GGTACATTGC	TACTGTGTTA	TGGTATTTAG	GAATTTATTA	TTTCTGCCTT
15051	TCCAATCTGA	AATTAAGTTT	TTTCTGTAAT	CCTGAGTCAA	ATCTTAAGAC
15101	ATTGATGAAA	ACATCATTTA	GTTTTTTACT	GCTAAAGAGA	AACATTTTGG
15151	TTCACTTAAA	TTATCTGTGA	AACCGAATTT	CTTTTGTTTT	CACTCATTTA
15201	ACAAATATTA	AAGTATCTAC	TATGAGTAAG	TTGCTGTGGG	GCATACCAAG
15251	ATAAATCTGA	CATTTAAGGT	ATACTTAAGA	TGCTTTTACT	CTAATGGGCG
15301	AGATAAGAAG	TATGCAAATA	AGAAGTACAA	AGGAGAAAAT	GGTAAATGAT
15351	GTCTTTGATA	ATGAATATGT	CATTGATAAT	TGGAAAATAA	ATAACATGAA
15401	GAAAAAGGAA	AAGTATTTTC	TTAAAGAACA	TTTAGAATAA	AGTACTGTGG
15451	GAATTCAGAG	AAGCATAAAT	TTCTTCCAAT	GAATAGTTAA	AAGACAGCCT
15501	GAAGAATAGG	TGGATTAATT	ACTTGTTTAC	TGCCCTCCCT	TTATACTGTG
15551	AGTTGGTATC	TTCTGCCTTG	TTCCCTACTC	TATCCCTAGT	GCTTCCTCAG
15601	TGGACGACAC	ATTGTAGGCA	CTTGTATTTA	TCAAATGAAT	GAATGATCCC
15651	TCAACACTGA	ACTCAAGTAT	TACCACATTG	AATAAATTTT	CTGACTCTTA
15701	GATAGAGCTG	GATGCTCCCC	ACTCTGCCTT	GAGGCAGTAT	GGAATGGTGG
15751	TTAAGAGCTT	AGACTTTGTA	GCAAGACCAG	GATTTGAATC	TGAAGTAGCA
15801	TAGTAATTGT	TTAACATTGT	ATACGCCATT	TGACCTCTTC	AAGCATCTTT
15851	TGTTTAAAAA	AGAGAAGAAA	GCCAGACACA	GTGGTGCACA	CCTGTAGTTC
15901	CAGCTACTCG	GGAGGCTGAG	GCACAAGAGG	GTCATTGAA	CCCAGGAGTT
15951	TAAGGCCATC	CTGGGCAGCA	TATGAAATCC	TGTCTCAAAA	AAAAAAAAAA
16001	AGAAAAAGAA	AAAAGCACTA	TATGACTTGT	GGGCTATGGT	GAAGATTTGT

FIGURE 7F

16051	TGAAATAATG	CATGCAAATG	GATAGTATAA	ACAAGCACTC	AAAAAGTTGT
16101	TGCTGCTTCT	ACTATTATTA	GTGAAATGGT	TCACATCAAG	ACTTTTTTTT
16151	TTTGAGACGG	GCTTTCACCT	GCTCTTGCCA	CCTAGGCTGG	AGTGCAATGC
16201	TGCGATCTCG	GCTCACTGCA	ACCTCCGCCT	CCTGGGTTCA	AGCAATTCTT
16251	CTGCCTCAGG	CTCTCAAGTA	GCTGGGATTA	CAGGTACCCG	CCACCACACC
16301	CAGCTAATTT	TTGTATTTTT	AGTAGAGACA	GGGTTTCACC	ATGTTGGCCA
16351	GGCTGGTCTC	AAACTCCTGA	CCTTAGGTGA	TCTGCCTGCC	TCAGCCTCCC
16401	AAAGTGCTGG	GATTACAGGT	GTGAGCCACT	ACACTCAGCC	AAGACTCTTT
16451	CATTAAACCA	AGCATAGTCA	GTGGCTTATG	CCTGTAATTC	TAGCACTTTA
16501	GGAGGCTGAG	GTGGGAGGAT	TGCTTGAGCC	CAGGAGGTCA	AAGCTGCAGT
16551	GAGTTGTGAG	CTGAAATTGC	ACTCCTGCAC	TCCAGTCTGG	GAGACAGAAC
16601	GAGACCCTGT	CTCATAAAAA	AAAAAAAAAAC	ACAAAAAAAT	TATCTTTCAT
16651	TAAACATCTT	ATTGTTGGCA	GGTGCTATGT	CAGTGACTAT	ATCTGGTGTG
16701	TAAAATATGC	TCAGTGAGTC	TGTTAATTGA	ATGGGTTGAC	TTTGGAGATG
16751	GAGAGGATAG	AAAGAGCACC	TTGTCTCATT	AAAACAAAAA	GAAAAACAAA
16801	ACACACACAA	AAAAGATTCT	GTTTCATTAA	ACAGCTTATT	GTTGGCAAGT
16851	GCTATGTCAG	CCACTGTATC	TGGTGTGTAA	AATATGCTTA	GTGAGTCTGA
16901	TAATTGAATG	GGTTGACTTT	GGAGATGGAG	AGAAGGACAG	AAAGAACTCT
16951	GCATGGTGGT	GCGTATTGGG	AAGATGTGAA	AGTCACTTTG	ACCAGGGCTG
17001	GAGGTTCAGG	TGGCAGAGTT	GTATAACAGA	ACTAGCATAG	CTCCATTAGC
17051	AAAGAAGCAT	GAGAATAAGC	TGTTGTCCGG	AACACTGAGG	GAAAGTTTTT
17101	GTTATATGGG	ACTAAAAGTT	ACCTAAACAG	TCCTAGACTG	ATAGGAAAGG
17151	GAGAAACATT	TTTTGAGTAC	CAACTATATT	AGACACTGGT	ACATTCTTTG
17201	TTAGTTGTCT	TTCTTAATTC	TCACAGTGCC	AGGTATTATT	TTGCAAAATG
17251	AAGAGACTGA	GGCTCAGAGA	GGTTAGGTAA	TTTTTCCAGC	ATTATACTTG
17301	GCTTATAAAG	GGACCTACAC	AGTGGCTGGC	ATATAATGAG	CACTTATTTT
17351	TTAACTTGGA	ACATGTTTTT	CTTTAGAAAT	AATTGACACG	AAATTTGGGT
17401	TTCCAGACCA	GCCATAATAT	ACATGAAGTT	AGAATCAACA	TTCATTCAAT
17451	CATTCATGCA	ATAAACTTTT	ATTTAGCACT	GTGTTGGGTG	CTGTGTATAC
17501	ACGTAAAAACA	CTCCCTGCTC	TCAAAGAAAT	TGAAGTGTAA	TAGGAGTGAT
17551	AGACAGGCAA	ACAGACCATT	ACAATACTGG	ATGGTAAGTG	CTGCGATCAA
17601	GGTATATAAT	TGAGGGTGCA	TTGGGAACCT	AGAGGAAGGG	TACCTTACTT
17651	GGAGCCTAGA	AGTCAGGGAA	GTTTCTGAAA	TGAGCTCAGT	AGAGATACCA
17701	AGGCAGAGAG	GTGAGGGAGG	GCTTTTTTGG	TGGAGGGGTT	GGACCTGCAG
17751	ATGTCAGAGA	CAATGGAAAG	CACAGGGTGA	TCTCCCTGGC	TGAAGTGAAG
17801	ATAGCAAGGA	CATTGGTGAT	CAGAGCCCAG	ATCATTCAAG	GTTTTTATGC
17851	CATGCTAGGA	GCTTGGACTT	TAGCTCTTTG	TAAGTAGAGG	ACCACTGAAA
17901	GGTTTTTCAGC	AAAGGAAATG	TTCAATCAGA	TACTCACTTT	AGGAAGTTAA
17951	ATCTGGTAGC	TGTTGTGGTG	GATGCATTGG	AAGGGGTTAA	GAGTAAAAAC
18001	AGTGGGAACA	GCTCAGTTTC	TTTACCTCAT	ATAGAATAAG	GTTTCCATGA
18051	GAAAATGCAT	GTAAATTTAA	ATTTTGTGAT	GTCAGAAATA	CATTATTTCT
18101	GTTGCTTGCA	ATAGCATATG	GAATAATCCC	TGCCCTCTAAT	TCCTCTACTT
18151	TCTGGACAAG	AGCAATGTGA	ATGAGAACAG	TTCTTATGCT	GCTGATAGAG
18201	ATAAGCTAGG	AAAGAGACTT	TTCACTTAAG	AGAGGAGATG	AGAGGTGATG
18251	GAGGATGAGA	GGTGATGGAC	TAATAGAGAT	GAATGGAGGT	AGAGGAACCT
18301	GAACAGGGGT	TTTAGGATGA	AGACAGTGAT	GGTTGCATCA	TGTAATAAAG
18351	GCCAAAGAAA	GTGGTTGCTC	CAATGGGTTG	GGGGAGGAAG	AGCTTTGAGG
18401	ATCCTAGCTT	TCTCCAGTTA	TGAATGAAGA	TACCTCTTGC	CTGACTACTA
18451	TTTTAAGTCC	CAGGTAATCT	TCCCACCCAA	CCATTTCTCT	TACCCTAGTG
18501	GCACCCATAA	TAACCTGCCT	ATTTCTGTTC	CCTTTTCCCT	GCTACCACCT
18551	GTTGCTTTCA	GCTTTACTGA	ACCACTGCAA	AATAGGAGGC	AGACTTACAG
18601	CTTGTCTCTC	TACTCTTTTG	TTTGCAATGT	AAACATACCA	TCCTTTAGAG
18651	TTGGGTTTTT	GCTGCTAATA	ATGTTGGGGT	TTCAGGATAA	AAAGATTTCC
18701	TTCATTTTTT	TCTTTTTTCTA	GTAAGACCGT	CTAGAGGAAA	AAAACACATC

FIGURE 7G

18751	TAGATGCTAG	TCACAAAAAC	ACCGAAGTAT	GATTTGAGTG	CATTTTAGAA
18801	AATTAGTCAA	GTTTCATGCC	TATAGTCCCA	GCACTTTGGG	AGACTAAGGT
18851	GGGAAGTTCG	CTTTGAGGCC	AGGTGTTTGA	GACCAGCTTG	GGCAACATAG
18901	CGAGTTCCTG	TCTTTACAAA	AAATAACAAA	GCCAGATGTG	GTGACATGCA
18951	CCTGTAGTCC	TAGCTACTTG	GGAGGGTGAG	GTAGGAGGAA	TGCTTAAACC
19001	CAGGAGGTCA	AGGTTGCAGT	GAGCTGTGAT	CGCACCCTG	CACTCCAGCC
19051	TGAGCAACAG	AGCAAGACCC	TGTCTCTAAA	AAGACAAATG	AAAAGTGGCT
19101	GGGCACAATG	GCTCACACCT	GTAACCCCTAG	CACTTTGGGA	GGCTGAGGAG
19151	GGTGGATCAT	TTCAGTCCAG	GAGTTCAAGA	CCAGCCTGGA	CAACATGGCA
19201	AAACCGGTCT	CTACAAAAAA	TACAAAAATC	GGCCAGTCGC	AGTGGCTCAC
19251	TCCTGTAATC	TCAGCACTTT	GGGAGGCCGA	GGTGGGTGGA	TCATCTGAGA
19301	TCAGGAGTTC	AAGACCAGCC	TGGCCAACAT	GGTGAAACCC	CATCTCTACT
19351	AAAAATAAAA	ATAAAAAAAT	TAGCTGGGTG	TGGTGACGCA	TGCCTGTAAT
19401	CCCAGCTTCT	AGGGAGGCTG	AGGCAGGAGA	ATTGCTTGAA	CCCAGGAGGT
19451	GGAGGTTACA	GTGAGCCGAG	ATCATGCCAC	TGCACTTTGG	CCTGGGCAAC
19501	AGAGTGAGAC	TCCGTCTCAA	AAAAAAAAAA	AAAAAATTAG	CTGGATATTG
19551	TGGTACATGC	CTATAGTCCT	GGCTATCTCA	GGAGGCTGAG	GTGAGAGGAT
19601	CACCTCTAAG	CTTGGGGAGA	TTGAGGCTAC	AGTGAGAGCC	AAGATTGCAC
19651	CACTGCATCT	CAGCCTGGGC	GACAAAGCGA	GACTCCATTT	AAAAATAAAC
19701	CATTTTATCA	TGGACGAGAA	GGCCGCCTGA	AAATATCCAG	TGTGCATCAA
19751	CTCCAAAGGA	ACTTTCTCCT	TAAAACTGCC	AGCTCTCATC	ACAGATTCCA
19801	TTATGATATG	AAGTGTTAAG	CAGAGTGAGT	AGGGATTGGT	TCCAGGTAAC
19851	AGCTAGCTGA	GGGAGAAGGA	AATTCTAAGA	TATTGCAGTG	GGGAAGAGGG
19901	GTAAGTTTAT	ATCACTATTG	GATTGCTGAA	CTTACTGTTT	CCAGTATATA
19951	TATATTTCCG	TTTGTATACA	AGTTGAGCAT	GTGGTACTGG	GGCTGCAGTA
20001	TTTTCTTTCT	CATTGTACCA	ATTGTACTAG	TGTAACAGTT	TTCACCAAAA
20051	AACTTTTAC	AGTCCTGCTG	CTTAGTTATA	TCACTGACTG	GATTGTCTATT
20101	TTATTTTCCC	TTCTTGAAAA	AAATTGACTT	TGCCTATATT	TAGTAAGATT
20151	GCCAATAATG	AAACATTCAA	AATAGGGAAT	TTGATCCCAG	CACCTTTGGGA
20201	GGCCAAGGTG	GGCTGATCAT	TTGAGGTCAG	GAGTTCGAGA	CCAGCCTGGC
20251	TAACATGGTG	AAACCCTGTC	TCTACTAAAA	ATACAAAAAA	ATTAGCTGGG
20301	CATGGTGGTG	CTCACCTGTA	ACCTCAGCTA	CTCAGGAGAC	TGAGGCAGGA
20351	GAATCGCTTG	AACCCTGGAG	ATGGAGGTTG	CAGTGAGCTG	AGATCACATC
20401	ACTGCACTCC	AGCCTGGGCA	ATAGAGTGAG	ACTGCATCTC	AAAACAAAAA
20451	CAAAAAACAG	CAATAACAAA	TAGGGAATTT	TAAAAGGAGA	CCAAAACCCA
20501	TGAAAAATTA	AGCCCTTGAA	TAGATGAGAT	TATAATCTTT	TTTCCTACCA
20551	GTTTAATACT	TTTAAAGAAT	TTTTAAAGAA	TGTTCAAAAG	AATTGCACAT
20601	ATTTAGAAAT	TTCAGGTATA	AATTTCTGTC	TGATTTTTTA	AAGTCTGATT
20651	TTTGAAACGT	TGAGGAAGAA	CAGTTGTGGC	AGTCAATTAG	TTTGGGTAA
20701	GTTGTATGAA	TTTGACTCAG	GAGTTAGTAG	CAAGGGGTTT	TTGGTTTCTC
20751	TGTGTATGTG	TGGTTTCCCT	CATAATTGTT	GAGCTAAAAA	AAACTTAGCT
20801	TATAAGTCTT	AAAGGAAAGA	GTTTTGAGCA	TGGCAAACCTG	ACACACTGGT
20851	TGGCGTTTGG	GTTTAGAACT	GGAAGCCTTG	AAGCAGCGTT	TCTGGAAGCA
20901	TGCTAATCCA	GCAGCCAAAC	CCAGGGCTGG	TCAGACAGTG	AATGTGAACG
20951	TCATAGTGAA	AGACATGGGC	ACTGATGGAA	AGGAAGAGCT	AAAAGCAGAT
21001	GTGGTACCTG	TGACTTTAGC	ACCTAAGAACT	TTGGATGGAG	CAAGCCACAC
21051	AAAACCAGGT	ATTTGAGCCC	ACAGGTTTTG	TTTTTTTGCTT	TTTGCTTTGT
21101	ATTCTAACAG	ATCTTCAAGG	CTATTGAAAA	CCTTATAATG	AAAAGTTATA
21151	GAATCTTTTT	CCTTGGAGGC	TTTGCAGAGC	AGTATCTCTG	GCATGATTCA
21201	CGTGTAGCAC	ACCTAGAGGT	GTGGGGTGGA	CAAGCTGGCT	TTATTTTTTT
21251	TTTAGATATC	ATTTGTCTTA	TTATAAAAAA	CCCCATTATA	GACAAATATA
21301	TAGAATAAAT	GAAAAACTTA	ATCTTCTATC	AGAGACAGGT	TCTATAACCA
21351	TATCGTGTAT	CCTTTTAAAC	TCTCTTCTTT	GCACATATGT	ATATGTAATT
21401	TAAACAAAAA	CAGGCTGGGT	GCAGTGGCAC	ATGCCTGTAA	TCCTAGCACT

FIGURE 7H

21451	TTGGAAGGAC	AAGGCAGGAG	GATCTGTTGA	GCTCAGGAGT	TGGAGACCAG
21501	CCTGGGCAAC	ATAGTGAGCC	CTCATCTCTA	CCAAAAA	AAAATTATCC
21551	AGGCATGGTG	GCCTGCACCT	GTGGCCCCAG	ATACTTGGGA	GGCTGAGACA
21601	GGAGGATCAT	TTGAGCCAGG	AGGTTGAGGT	TGTAATGAGT	CATGATTGTG
21651	GCACTGCACT	CCAGCCTAGG	CGAGAGAGTG	AGACCCTGTC	TCAAAACAAA
21701	AAACCCAAAA	CAAAACAACC	CACCTATAAT	GTGATCATAA	CATGCATTCT
21751	GCTTTGTGTT	TTAGAAATGT	ATTAAGGACA	GCTCTCACCC	CTCCCTTGAA
21801	ATCACAAGTA	ATATATCACA	TGGAAAACAG	TTTTAAACAC	TGAAAAAAGG
21851	TATCAAATGA	AAAAGTAGTC	TCCCAAAGA	TAAGTATTAA	CAATTCTTG
21901	TATGTCTTTA	TAGGAGTATT	TTTATCCATA	TACCGTATTT	TGTGAATGTG
21951	TGTGACATTG	AACATTTACT	CCCTGTCAGG	CATTGCTCTA	GGTGCTTTAT
22001	ATGTTTTATC	TCATTTAATC	CTTACAACCC	TATGAGGTAA	ATAACATTAG
22051	TATCCTTATT	TTGTATATGA	AGAACTGAT	ATGCAGAGCA	CTTAAGACAC
22101	TTGCTCAAGT	TTACACAGCT	AATAAATGGT	AGGACCAGTA	GTCTAATCCA
22151	GACCACCTAA	CTCCAGAGCT	CAGATCTACT	TTATATTGCT	TTTGAGGCTT
22201	TTTTTTTTTT	TTTTTTTTTT	CCTCTAAGAC	AGAGTCCTGC	ACTGTCACCC
22251	TGGCTGGAGT	GCAATGGCAC	GATCTTAGCT	CACTGCAACC	TCTACCTCCT
22301	GGGTTCAAGT	GATTCTCCTG	CCTCAGCCTC	CCGAATAGCT	GGGATTACAG
22351	GTGCCTGCCA	CCATGCCTGG	CTAATTTTGT	TATTTTGTAGT	AGAGATGAAG
22401	TTTCGCTATG	TTGGCCAGGC	TGGTCTCGAA	CTCCTGACCT	CGTGATCTGC
22451	CCACCTTGGC	CCCGCAAAGT	GCTGGGATTA	CAGGCGTGAG	TCACTGCGCC
22501	CGGCCTTGAG	GCTTTTTTTT	AAATGGCTGC	ATAATATTCC	ATTGAATGAA
22551	TACAACATGA	CTCATTAAAC	CATACTCGTA	TTGACAGATG	TCTTGTTTGT
22601	TCCAGTTGTT	GCTATTGCAT	ACAGTGTTAT	ATTATAGTGC	CAGATATATG
22651	GTGGTATATT	AGATGAAAAT	TCCTTACAGT	GGAATTGTCA	TGATATATAT
22701	CACATTTTGA	TATATATCAT	CCAGTTGTCT	TTCAGAATGG	TTGTACCACT
22751	CTGAATCACA	GTGTATGAGT	TCCTGTTTCC	TCTCAATAGG	TATTATCAAA
22801	CCTTCTAATT	TTTGCCAGGC	TAACATGTCG	AAAATGTATC	TCGTTATTTT
22851	GATTGTAGC	TCTTCAATTA	GAAGTGAGAT	TAAGCATTAC	TTTTAATTTA
22901	TTAACAATAT	ATGTTTATTT	TTCGTGAAC	GCCAGTTCAT	ATCATTAGCT
22951	CATTTTACTC	GAGTCGTTTC	TCTTTTCTT	TAATATAGGT	AAATTTATCA
23001	ATGTTTTTCT	TCATGGCTTT	TGAGCCACAG	ACTTGAAGCT	CTACTCCCTA
23051	CCCACCTTTT	CTCTCTTTTG	AACAATTATT	TTATAATCCC	TGAGTAGTAT
23101	ACTATCTAGG	GTGCAGAAGT	TCTCTTTGAT	ACTTCAATTC	ATAATAATAC
23151	TCTTGTTGTT	AAATAACAAA	AAAGCCCAGA	ATACTAGAGT	CTCAGATTTT
23201	CCTTTTGGGA	TGTGACTAGA	ATATTTCTGG	AGTTGCCTAA	AATGCATACC
23251	TAATTATTGT	ATTATGTCTA	AAGCATTTCT	ACATATTTCT	GTTCAGGTGA
23301	AAAGCTTCAG	GTGTTAAAAG	CTAAACTGCA	AGAAGCAATG	AAACTCCGAA
23351	GGTTTGAGGA	GCGCCAGAAG	CGCCAAGCAC	TGTTTAAATT	AGATAATGAA
23401	GATGGGTTTG	AGGAAGAGGA	GGAGGAAGAG	GAAGAAATGA	CAGATGAGTC
23451	TGAGGAAGAT	GGAGAAGAGA	AGGTAGAGAA	AGAAGAGAAA	GAGGAAGAAC
23501	TAGAGGAAGA	GGAGGAGAAA	GAAGAGGAGG	AGGAAGAAGA	AGGAAATCAG
23551	GAGGTTTCTG	GCAATTACGT	TGTTTTGTTA	CCTTGTCATG	GTGAATATGA
23601	GAGAAAAAGT	CAGACTTGAA	AAAGAGTATA	ATAAGCATGT	TCAATTGTAT
23651	AAGAGGTTTT	AGGGGCATGA	TGAGGGTAAC	TACCTCATAT	ATCCCTAAAT
23701	CTTAGGAACT	TCAGTTCTGT	CAGTACCACT	GAATATCTGT	AGATCATCAT
23751	TATATATCTG	AATACAGATA	TTCAGTGGTA	CTGACAGAAT	ACCATTGCCT
23801	GGGCTTCCAC	CTGTTTATAT	ATTTTAATAT	AATAATGCTA	ATATTAAAAA
23851	TGGCTTTGTA	TTCGTAGGAA	ATTTTATCTT	TGTTGTTTAT	TTAGGTTTCT
23901	CTAGCAGATT	AAAAAGCAGT	CCTAACCTTG	GCTAGATTGA	GGCCTGGAGT
23951	AAATTCTTAG	GGAGGTAGAG	GCCTTTCTGA	GTTATTTTCG	TTCTTTGTAG
24001	AAGAAGGCAT	TTGTAGAAGG	GCCTCTTGCC	CTTGTTCCGT	AGTACTGTTT
24051	TCTGCCTAGG	GAAAACAGGT	GATGATACGA	TTGTTAAGTA	TTAAAAA
24101	TTCCTTTTTT	GGCCGGGCAG	GGTGGCTCAT	GCCTGTAATC	CTAGCACTTT

FIGURE 71

24151	GGAAGGCTGA	GGTAGGTGGA	TCACCTGAGG	TCAGGAGTTT	GAGAACAGCC
24201	TAGCCAACAT	CGTGAAAATC	CATCTCTACT	AAAAATACAA	AAATTAGCTG
24251	TGTGTGGTGG	CACACACCTG	TAATCCCAGC	TACTCAGGCA	GGAGAATTGC
24301	TTGAACTTGG	GCAGTGAAGG	TTGCAGTGAG	CCAAGATTGT	GCCACTATAC
24351	TCTAGCCTGA	GCGACAGAGC	AAGACTGCAT	CTCAAAAAAA	GAAAAAATAA
24401	AAAAAACTTT	CCTTTTGTGA	TGCTGGGATC	ACTTTATTTT	ATTTTATTTT
24451	ATTTATTTAT	TTAAATTTT	TTGAGATGAG	GGTCTCACTA	TGTTGACCAG
24501	ACTGGTCTCG	AACTCCTGGC	CTCAAGTGAT	CCTCCCATCG	TTGTGGCCTC
24551	CCAAAGTGCT	GGGATTACAG	GCATGAGCCA	CCATGCCCAG	CAACTTGAGT
24601	TATTATTTAA	TTTTGGGTAA	AGGAGAAAGA	AAGCAATGGC	TGAGCTATAC
24651	AGCCTGTCTC	AGTCTGTGCT	TGGTTTGAGA	TCAGTAGTCA	GCCTGCAATC
24701	TTAGACTGAT	TAATTAACCT	CTTACTGCCT	CAATAAAATG	ATAATCCAGT
24751	CGTCCTTTAT	AATCTTAGCA	ATTTCGGGAG	GGTAGAAGGT	AAAAAATAAA
24801	AATAGAAAAA	AGTTCTAGAA	GTGTCAGGGA	AAATTATGTT	GATAATGGTC
24851	ATATGGAAC	TCCTTCAAGT	TTACCTTTTT	GAATTTAAGA	TGTGATCTGT
24901	AACCAATCAG	CCATATTTCA	GGCTACCAGT	GTATTTGCTT	TTAAATGTTT
24951	TGACTTGTAT	TTTTTGTGTT	GTGGTGGCCT	GATTGGTAAA	GACTGCAGAA
25001	TTCCTTCTTA	GTAGTGAAGA	AATAGAAACA	AAAGATGAAA	AAGAAATGGA
25051	TAAAGAAAAA	AATGATGGCA	GATGAAAT	TGGCAAGGCA	GTTGGCTTCC
25101	TCTCTGTTCC	CAAGTCTCTC	TCATCAGATT	CTACTTTACT	TCTGTTTAA
25151	GACAGCTCTT	CCAAGATGGG	GTAAGTGATT	CTCTCTAAGA	AAACTTAAAA
25201	TTGCCCTTGA	TTTGCCCTC	CTGTAAAAAC	TAGGAACAGA	TACTGAACCA
25251	ATTTACTTTC	TTATTTTGCA	GTTACTTTCC	TACTGAAGAA	AAATCAGAAA
25301	CAGATGAAAA	CTCAGGCAAG	CAGCCTAGCA	AACTGGGTAA	GTAGTGATTC
25351	TTGTGCAGAA	CCTAACATTT	CTTTTGTCCC	TCAGCTTTGA	TATTTAAGGA
25401	CTGCAGTACG	GTAAGTTTCC	ATGTTTTTAA	ATCTGGTCAC	TTCCCAGTTT
25451	CATATGTAGC	TATGAAAAGG	GTTTATGAAT	TAGAATATTT	TTCTTGGTCT
25501	ATTTTTTGCA	GTTTATTTAT	AGTAGACCAT	GGTACATAAT	GTCCTTAGTG
25551	AATGTGTGTT	GATTGAGTGA	GCAATGAAAT	GTTTCTGTAT	GTAGATCAAA
25601	GGAAGACGTA	TAATTGATTG	GACAATGAAG	AGTGTGATCA	TAGGCATTAG
25651	GAAGGATAAG	AGAAAGAAGA	GAACTTTCGG	CCAGGCGCAG	TGACTCACGC
25701	CTGTAATCCC	AGCACTTTGG	GAGGCTGAGG	CAGGCGGATC	ATGAGGTCAG
25751	GAGATCGAGA	CCAGCCTGGC	TAACATGGTG	AAACCTGTGC	TCTACTAAAA
25801	ATATAAAAAA	TTAGCCAGGT	GTGGTGGCAC	GCGCCTGTAG	TCCCAGCTAC
25851	TTGGGAGGGT	GAGGCAGGAG	AATCGCTTGA	ACCTGGGAGG	CGGAGGTTGC
25901	AGTGAGCCGA	ATTCACGCCA	CTACACTCCA	GCTGGGGTGA	CAGAGCGAGA
25951	CTGTCTCAAA	AAAAAATAAA	AAAAAATAAA	AAGAACTTTC	AAGTGTCACT
26001	TAGCTCAGAG	TAATAAGCCC	TGATTATATA	ATGCTATCTT	AGTACTGTAA
26051	TTTACCTTTA	ACTTAATGTT	TTGGAACATA	TAAGTTGAGG	GGTTTGCCTA
26101	TGAATTTTAT	CTGACAGTTT	CATCCTCAAC	TCTTTTTCCT	AAACAAATCC
26151	ACCTTATTTA	TGTAATCATG	TGCTTAAAG	GTGTTTCTCT	TTCTTTAGAT
26201	GAGGATGATT	CATGTTTCATT	GCTAACAAAG	GAGAGCAGCC	ACAATAGCAG
26251	CTTTGAGCTG	ATTGGCTCCA	CGATTCCATC	CTATCAGCCT	TGCAACAGAC
26301	AAACAGGCCG	TGGGACCAGT	TTTTTCCCTA	CAGCAGGAGG	ATTCAGATCT
26351	CCTTCCCCTG	GGCTATTTCC	AGCCAGTTTG	GTCAGCTCAG	CTTCTAAGGT
26401	AAGATGGTAA	TGGTTTTTCT	AATCTCCTCC	TCTCTTTGCT	TCCCACATTG
26451	CTAAATAAAG	TTTGTCCCAG	CCAACCAACT	CCCACCACGT	TGGTACTGAG
26501	CTTATGTGTG	TTTCAAGTTTAA	AAAATCCACC	CCCTTTGTGT	ATTAAAAACA
26551	AGCTTCATCC	AGTATTCTTA	CTTTCTTGGA	GGTATTTTTT	TTTATGCTTC
26601	TCATGGCTGT	GTATTGTCCC	CCTCAACTAC	AATTTCTCTGA	GAGTAGCTTA
26651	AATATTGCAA	ATAGCAACTT	TTGTGGTTGT	CATGACAATG	ACTGACATTT
26701	GTAAATGTT	TTGTTATTGT	TTGTTTTTGT	TTGTGTGCCA	GAGTTCAGGG
26751	AACTGTCTG	AGCCTTCACT	TCCCATAGAG	GATTCCCAGG	ATCTGTATAA
26801	CGCCTCCCCA	GAGCCTAAGA	CACTTTTTCT	AGGAGCAGGA	GACTTCCAGT
26851	TCTGTTTAGA	AGATGACACT	CAGAGCCAAC	TGTTGGATGC	AGATGGGTAG

FIGURE 7J

26901	GTAGTTTTGT	GTTTCTGTGG	GCGGGAATGG	TGCTGGGTAC	TGCTTAATTT
26951	TGTTTAAAAA	TAAGTGAGCT	TCTGTCACTC	CATCTGTGCT	TTCTCTTCTG
27001	AGAAAGAGAA	GGTGACAGA	CCATTAGTAT	TACATTCTAT	AAGTTTGAAC
27051	AAAGTCTGTC	CAGAAAATAA	ACATAAATAG	CTCTTGCTAA	CATTCTGGTC
27101	CTTCAATTTT	TGTCTTATTT	GAAATGCATA	GATCTTGTAT	TGTAAGGTCA
27151	TCAAATTTCC	CTGTATCCAT	CCTGCTATGT	TATTATTGTT	GGGTAAGGTT
27201	GAGAATTCAC	AGACTGGTGG	CACATTACAG	GACATAATGC	CAAGCCCTGC
27251	TCTAGCATCA	TCTGAAGCTA	AAAGTTATCC	TTTACACTTT	ACCTTCTGAG
27301	TAACATTTTA	TTCTTTTACA	AACTTTTCC	CTCCCTCTTT	AGATTAACAC
27351	AAGCCTAAAG	TTTGAATCTT	TTGCTTTCTG	GTTTGAGATT	CAGCTTTTAA
27401	CTGGTGTAGG	AAATGAATTC	AGAGGTTTTT	CACCCCTAC	TTTGCCATTT
27451	CTCTGAGGAA	TTTTTTTTTA	TTTTTTTTTT	TGAGGCAGAG	TCTTGCTCTG
27501	TCGCCCAGGC	TGGAGTGCAG	TGGCGCGATC	TCGGCTCACT	GCAAGCTCCA
27551	CCTCCTGGGT	TCACGCCCTT	CTCCTGCCTC	AGCCTCCCGA	ATAGCTGGGA
27601	CTACAGGCGC	CCACCACCAC	GCCCGGCTAA	TTTTTTGTAT	TTTTAGTAGA
27651	GACGGGGTTT	CACCATGTTA	GCCAGGATGG	TCTTGATCTC	CTGACCTCGT
27701	GATCCGCCCG	CCTCGGCCTC	CCGAAGTGCT	GGGATTACAG	GCGTGAGCTA
27751	CCGCACCCGG	CCCTCTCTGA	GGAATTTTTT	ACACTATTCT	TTGTGCTCAT
27801	TGGTTCTTAG	GTTCTTAAAT	GTTAGAAACC	ACAGGAATCA	GTACCAAGCT
27851	TTGAAGCCTC	GATTGCCATT	GGCCAGTATG	GATGAGAATG	CCATGGATGC
27901	CAACATGGAT	GAGCTGTTGG	ATTTGTGTAC	TGGAAAGTTC	ACATCTCAGG
27951	CTGAAAAACA	TCTACCCAGG	AAGAGTGACA	AGAAAGAGAA	CATGGAGGAA
28001	CTTCTGAACC	TTTGTTTCAGG	AAAATTCACT	TCTCAGGGTA	AATATCCAAC
28051	CGAGAGTATC	AAGCTTACCA	CACCCAAGTA	TCAGTGCCCT	TGAAAAGAAT
28101	TCCCTGGGCG	GGTGGGGTGG	CTCATGCCTG	TAATCCTAGA	ACTTTGGGAG
28151	GCTAAGTTGG	ATGGATCGCT	TGAGCTCAGA	AGTTTGAGAC	CAGCCTGGGC
28201	AACATGGCAA	ATCCCCATCT	CTACGAAAAA	AAAAAAAAAA	ATTAGCCAGG
28251	CATGGTGGCA	CGTGCCTGTG	GTCTAGCTA	CTTGGGAGGC	TGAGGTGGGA
28301	GGATCTCTTG	AGCCTGGGAG	ATGAAGGTTG	CAGTGAGCTG	AGATCACACC
28351	AGTGCACCTC	AGCCTGGGTG	GCAGAGACCC	TGCATAAAAA	TGAAAAAAA
28401	GAAAGAAAGA	AAAGAAGCCC	CTTACCCTCA	GGTGAAAAGT	TCACAGAAAA
28451	CAGGGCTGTG	ATGGAATCTG	TGTATAAACT	GAATTCACCT	CTTAGTGCCC
28501	TGATATTTAG	AACTCTTACT	TTCTTAGAGT	GGTAAAGTAT	CAACTTAAGA
28551	CTACTTTAGG	CCGGGCGCAG	TGGCTCACGC	CTGTAATCCC	AGCACTTTGG
28601	GAGGCCAAGG	CGGGGGATTT	CCTGAGCTCA	GGAGTTCGCC	ACCAGCCTGG
28651	GCAGCACGGT	GAAACCCCGT	CTCTACTAAA	ATACAAAAAA	TTATCTGGGC
28701	ATGGTGGCCC	GTGCCTGTAA	TCGCAGCTAC	TTGGGAGGCT	GAGACAGGAG
28751	AACTGCTTGA	ACCCCGGAGG	TGGAGGTTGC	AGTGAGCCGA	GATTGTGCCA
28801	CTGCACTCCA	GCCTGGGCAA	CAGAGAGAGA	CTGTCTCAAA	AAAAAAGTCT
28851	TGAAAAAAAAA	AAAGACTGCT	TTAGCTTTGC	CCATATATCA	TTTATGATTA
28901	ATGTATGTAC	AAAGTTTAGA	ACAGTGTCTG	ATGTATAATA	AATTTTCATAT
28951	AAATGTTAAC	TTACTTCCTG	TTCCCTGCCC	CCAATACACA	CAACTGCTAG
29001	ATCGAACATA	AGCTCTATGA	GACCTGGGAT	AGTGGTTTGT	TCATTACTGT
29051	ATCCCTGGTG	GCCTGGCACA	TATGGCACAT	AGTAAGCACT	AAATAAGGAT
29101	TTGTTGAATG	AATAGATGGT	AGGCTCTTCT	TGGCAAGCTT	ACCTTAGAAC
29151	TGTATCGAGC	TGGCATGACT	TTAGATGGCT	GGGAAAAGAG	TATAAAGCTA
29201	TCATTCCCTT	GTGACACATC	TTTTCTTGT	TGTGATGTAG	ATGCCCTCCAC
29251	TCCAGCCTCA	TCAGAGTTAA	ATAAACAGGA	GAAGGAGAGC	AGCATGGGTG
29301	ATCCAATGGA	AGAAGCACTT	GCTCTTTGCT	CAGGCTCTTT	TCCCACAGAC
29351	AAGTAAGTCT	CAGATTGCTG	GGAATTTGGG	AAGGCCTGGC	CTTTTGATAA
29401	AATCAAAATA	ACTGATCATC	TTAAGGGCTT	TGCACCTTTT	CTGAGAATCT
29451	TGCAGTGGAT	TTGAGTCTCA	TATATGCCTA	GTAAGCAAAT	TATAATGCTT
29501	TGGTGGAGAA	CAGGGTAAAA	AAGGCAAGAA	TATGAAAGCT	ATTTAATATC
29551	ATTAATAGAG	AAATGCCAAT	CAAAACCATA	GTGAGACACC	CATTAAGATG

FIGURE 7K

29601	ACTTTTATCA	GAAAAACCCC	AAGAGTGTTA	GTGAGAATGT	GGAGAAATTG
29651	GAAACCTTGT	GTACTATTGG	TGAGAATGTA	AAATAGTGCA	GCTGCCAGGG
29701	AAAGTATGAT	GGCTCCTCAA	AAATTAAAAA	TAGAGGCCAG	GCACGGTGGA
29751	TCATCTGAGG	TCAGGAGTTC	GAGACCAGCC	TGACCAACAT	GGTGAAACCC
29801	CGTCTCTACT	AAATACAAAA	AATTAGCTGG	GCATGGTGGC	GCATGCCTGT
29851	AATCCCAGCT	ACTTGGGAGG	CTGAGGCAGG	AGAATTGCTT	GAACCCGGGA
29901	GGCAGAGGTT	GTAGTGAGCC	GAGATCATGC	CATTGCACTC	CAACCTGGGC
29951	AACAAGAAC	AACTCCGTC	TCAAAATAAA	TAAATAAAAA	TAGAATGACC
30001	ATATGATCCA	GCAATTTTAC	TTCTTAGTCT	GTACCCCAAA	AAAGTGAAAG
30051	CAGGACTTGA	ACAGATATTT	GCACCCCAT	GTTCAAAGCA	GCATTATTCA
30101	CAGTAAGTAG	TCAAAACATG	AAAGCGACCT	ATGTTTATTG	GCAAATGAAT
30151	GGGTAAACAA	AATGCGGTAT	ATATGCAAAG	GAATATTCAA	CTTAAAATGG
30201	AAATTCTGGC	TGGGCATGGT	GGCTCACACG	TGTAATCCCA	ACACTTTGGG
30251	TGGCTGAGGT	GGGCGCATCA	CTTGAGCTCA	GGAGTTTGAG	ACCAGCCTGG
30301	ATAATATGGC	AAAACCCCAT	CCCTATAAAA	AAAATACTAA	AATTAGCTAG
30351	GCGTGTGCCG	GCAGTACCAG	CTATTCAGGG	GGCTGAGGTG	GGAGAATTGC
30401	TTGAGCCTGG	GAGGTCAATG	CTGCATTGAG	CCATGATTGT	GCCATGAC
30451	TCTGGGCATC	AGAGCAAGAC	CCTGTCTCAA	AAAAAAAGAA	GTTCTGCAC
30501	TTGCTACATC	ATGGATGAAC	CTTAGAATGT	TATGCTAAAA	GAAATAAGCC
30551	AGTCACCAAA	AGACAAATAC	TGTATGAGTC	CACTTACATG	AGATACTTAG
30601	AGTAGTCAAA	TGCATAGAGA	CAGAAGGTAG	AATGGTGGTT	GCCAGAGACT
30651	GAGGTATATA	GGAAATGGAG	AGTGTAAATG	GTATAGAGTT	TTAGTTTTGC
30701	AAGCTGAAAA	GAGTTCTGGA	GATTGCTTAA	CAATATGAAT	GTACTTAACA
30751	CTACAGAACT	ATAGAAAGAT	CGTTAAAAAG	GCAAATTTTA	TATTATGTGT
30801	ATTTTACCAC	AATTGAAAAT	TTAAAAAATT	TTCTTCCTGT	TTATTGAAGA
30851	GATTATTGGT	GATAATAAAA	GTTTTAAATT	TGGCTGGGCG	AGGTGGCTCA
30901	TACCTATAAT	CCCAGTACTT	TGGGAGCCCA	AGGCAAGCAG	ATTGCTTGAA
30951	TCCAGAAATT	CAAGATGAAC	CTGGGCAACA	TGGTGAAATC	TGTCTCTACA
31001	AAAATACAAA	AATTAGCTGA	ACATGGTGGC	TTGTATCTCT	AGTCCCAGCT
31051	ACTCAGGAGG	CTGATGTGGG	AGGATCACTT	GAGCCCTGGA	GGTGGAGGTT
31101	ACAGTGAGCT	GAGATGGTGC	CACTGTATTC	CAGGTGGTGT	AAGAGACCAA
31151	GACTGTCTCA	GAGAAAAAAA	AAAAATTAAC	ACACACAAAA	TTTTTTTTTA
31201	TTCATAACTT	GGCTGACTAC	TTGTAGTTTG	CTTTCAACAA	CTTATTTATT
31251	GATTCATTGA	TTTACATTTT	AGGGAAGAGG	AAGACGAGGA	GGAGGAATTT
31301	GGAGACTTTC	GGCTTGTTTC	AAATGATAAT	GAGTTTGATA	GTGATGAGGT
31351	GAGTATGAAG	GGAACAAAGT	AATCATAACT	GAGCTCCATG	TATTGCTGCC
31401	CTCAAGTGTT	TTTTTCCCCT	CAGTTCTTGA	GAATTCTAAG	TTTGGCATCT
31451	TATCAGAAAC	AATTTCCCTAG	AATGAGGTAT	TTGGGCAGAT	GTTTATAAAT
31501	CCTTTTTTCA	TTGAGGACGC	ATTTTATTCT	GCTTAATTTG	GATATGATGC
31551	TGATTTTGTA	GGATGAACAC	AGTGACTCTG	GTAATGATCT	GGCACTGGAA
31601	GACCATGAAG	ATGATGATGA	AGAAGAACTC	CTGAAGCGAT	CTGAGAAGTT
31651	GAAAAGGCAA	ATGTACGTGT	TATTAATATG	TCCATTCCCTT	CAGGTGTATT
31701	TAAAATTTGG	TCACTAGGCC	AGGCATGGTG	GCTTGCGCCT	GTAATCCCAT
31751	CATTTTGGA	GGCTGAAGCA	GGCGGATCAC	CTGAGGTCAG	GAGTTCAAGA
31801	CCAGCCTGGT	CTTGGTGACA	CAGGTCAAGA	GATCGAGACC	ATCCTGACAA
31851	ACATGGTGAA	ACCCTGTCTC	TACTAAAAAA	TATAAAAATT	AGCCAGATGT
31901	GATGACAGGT	GCCTGTAGTC	CCAGCTACTC	AGGAAGCTGA	GGCAGGGAGA
31951	ATCGCTTGCA	CCCAGGAGGT	GGAGGTTGCA	GTGAGCCGAG	ATCGCACCAC
32001	TGCATTTTCA	CCTGGGTGAC	AGAGCGAGAC	TCTGTCTCAA	AAAAAAAAAA
32051	AAAAAAAAAG	TTGATCACTT	AATATGTCTT	GTGTGCTAAT	AACTGTGCTT
32101	TACAGGCATT	AACATATTAT	CTTATGCCAG	GCACAGTGGC	TCACGCCTGT
32151	AATCCCAGCA	CTTTGGGAGG	CCAAGGCAGG	CATATTACTT	GAGGTGAGGA
32201	GTTTGAGACC	AGCGTGACCA	ACATGGTGAA	ACCCTCTCTA	CTAAAAATAC
32251	AAAATACAAA	ATAAAATACA	AAAATTAGCC	AGGCATGGTT	CTGGGCGCCT

FIGURE 7L

32301	GTAGTGCCAG	CTACTTGCGA	GGCTGAGGCA	GGAGAATTGC	TTGAATATGG
32351	GAGGCGGAGG	TTGCAGTGAG	CCAAGATTGC	CCCAGTGCAC	TCCAGCCTGG
32401	GTGATAGAGC	AAGACTCCAT	CTCAAAAAAA	TTATCTTATG	AGTGGGTACT
32451	ATTATTCTCC	TCATTTTACA	GTTGAAGGAA	CTGAGCCTCA	GAAAGATTAA
32501	ATTTACCCAA	GATCACATAG	CTAGAAGGCA	GCAGAGGCTG	GATTCAACTT
32551	AGATTAGGTG	AAATCTCCCC	TAACAGTCAG	TTAATAGTTT	GCCACTTTTT
32601	AACTTAAATC	CTCCTGCCTC	AGCTTCCCAA	GTAGCTGGGA	CAACAGGCAT
32651	GTGCCACCAC	ACCTGGCTAA	TTCTTTCTAT	TTTTTGTTAG	GATGGGGCCT
32701	TGCTTTGTTT	CCAGGCTGGT	CTTAAACTGT	TGGCCTCAAG	TGATCCTCCT
32751	GCCTCTGCTT	CCCAAAGTCT	GGGATTACAG	GCATGAGCCA	CCAGGCCAG
32801	CTTTTTTTTT	TTTTTTTTTT	TTTTTTTTTG	AGACGGAGTC	TCGCTCTGTC
32851	GCCCAGGCTG	GAGGGCAGTG	GCATGATCTC	GGCTCACTGC	AACCTCCGCC
32901	TCCCGGGTTC	AAAGCGATTC	TCCTGCTTCA	GCCTCCTGAG	TAGCTGGGAA
32951	TATAGGCACG	TGCCACCACA	CCCAGCTAAT	TTTTGTATAT	TTAGTAGAGA
33001	CGGGGTTTCA	CCATGTTGGT	CAGGATGGTC	TCGATCTCTT	GACCTCACGA
33051	TCCACCCGCC	TTGGCCTTCC	AACATGCTGG	GATTACAGGC	GTGAGCCACC
33101	CCACCTGGCC	GGCCCAACTC	ATTTTTTTGA	TATGCTGTTT	TGGTCATGAA
33151	AGTAAAAATAT	TTATTTTAGG	ATATTTAAAA	GAATACAAAC	TGGGTGCAGT
33201	GGCCACGC	TATAATCTCA	GCACTTTGGG	AAGCTGAGGC	GGGTGGATCA
33251	CCTGAGGTCA	GGAGTTCGAG	ACCAGCCTGG	CCAACATGGC	GAGACCCCGT
33301	CTCTACTAAA	AATACAAAAT	TAGCCAAGCG	TGATGGCCAG	TGCCTGTAAT
33351	CCCAGCTACT	CAGGAGGCAA	AGCTGGAGAA	TCGCTTGAAC	CGGGAGGTGG
33401	AGGGTGCAGT	GAGCTGAGAT	TGTGCCATTG	CATTCCAGCC	TGGGCGACGA
33451	GAGAACTCC	ATTCTCCCCG	ACCCCGCAA	AAAAAGAATA	CAGAAAGATA
33501	TAAATAAAAA	CTTATCCATG	TCCACCATCC	AGGATATAAA	TGAAAGTTAG
33551	TTTGTTCCCC	TTAATCTTTT	TTATGCATAT	ATTTTATAT	AGTTGAGATT
33601	TGTACAATCT	TTCTATATGT	ATAATTTTGC	ATCTTTTTTT	TTCTACTTAG
33651	CATATCCAGA	AACATTTTCC	TATGATGTTA	AAAAAGTTT	TATAAAGATA
33701	ATTCTAATAG	GTATTTAATA	TTATATTGTA	TGTGAATGAT	TTGGAATCCA
33751	CATATAGGAC	ATCATATTGA	TCCCTATTAG	ATTTATATGG	TTGCTTTTAT
33801	CCCATCATTT	CATTCTATTA	AGATTCACTT	TGGGTCTTAA	TTTATCACCT
33851	ATCAAATTAA	CTCTCATACA	GCTTTAGGTT	ATCCATAGAT	TTTTCTAAGG
33901	TAGTGGTTCT	TCTCTGCAGA	GCTCTTTGTT	CAAATAAAAT	CTTTTAAAGA
33951	ATGACAGATA	AAAGTTGAAC	TGTTCAAAGA	TGGTAAGTGG	GAAGTTTGGG
34001	AAACTTAGTG	ACTAGTGGCC	TCTGAAGGAA	TTTCCAGGA	ACTCTAGGAT
34051	TTAGAACAAC	TTAGCTTTAA	GAAATACAG	TATAGGCTGG	GCGTGGTGGC
34101	TCATGCCTGT	AATCCCAGCA	CTTTGGGAGG	CTGAGATGGA	CAGATCCCCT
34151	GAGGTCAGGA	GTTCAAGACC	ACCCTGGCCA	ACATGGTGAA	ACCCTATCTC
34201	TACTAAAAAA	ACAAAAATTA	GCCAGGCATG	GTGGCACGCA	CCTGTAATCC
34251	CAGCTACTCG	GGAGGTTGAG	GCATGAGAAT	CACTTGAACC	CAGGAGGTGG
34301	AGGTTGCAGT	GAGCCGAGAT	GGCATCTCTG	CACTCCAGCC	TAGGCGACAG
34351	AGCGACACTT	CATCTCAAAA	AAAAAAAAAA	AGAGAAAATA	CAGTATAGGT
34401	CTTCGATAAA	AATCAGTTTT	CAGAAAGCCA	CCAACTTCT	GCCATTTTGG
34451	ACCACATGGG	ACCAAGGTGA	CTTTGAATCC	AGGGTGACAC	CAGATTTATT
34501	CTCCGGGGGA	GCTGAAGTCA	TAAGAAGTAA	CTAGTCGTTT	TGATTACCAG
34551	GAGCTCTGAG	CCTTAGTCTT	CCTTCTGATG	TGGGGGTCAA	GATTTGTTAG
34601	GCTGTAAGAA	GATCCCAGTT	TATTACCTTT	CTACACCACA	CCATCTCTAG
34651	TTTGTCTCTT	AAAGCTGGTG	TGCTCAAATG	CAAAATGAAA	TAGTTTGAAC
34701	CTTCAGCAG	GTATTCTAAT	ACATGTAAAA	GAGATTAAGA	GTTTTCTGGC
34751	TTTCAAATCA	CCCAATCTAA	GTTGAATCCA	GGCTCTGCTA	CCTTCTAGCT
34801	ATGTGACCTT	GGGTAAATGT	AATCTTTCTG	AGGCTCAATT	CCCTCAACTG
34851	TAAAATGAAG	AGAATAATAG	TACCCATTCC	TATGATAATA	TGTTAATGCC
34901	TGTAAAGCAC	AGTTATTAGC	ACACAAGACA	TATTAAGTGA	TCAACTTTTA
34951	AATACAGATG	CTCCACATCT	TACAATGGGA	CTATATCCTG	ATCAATCCAT

FIGURE 7M

35001	CATAAGTTGA	AAATGCACTT	TCATATTATC	CAGATATAAC	TCCATCGTAA
35051	ATCGAGAAGC	ATACTAAGTG	CGTATCACAT	TCATGTCATC	GTAAAGTTGA
35101	AAAATCATT	AGTCAAACCA	TCATAAGTGG	AGACTATTAC	AAAAAATTT
35151	AAATATTATC	AAATGTATTA	TGTTTATTAT	TATTAGAAGT	GACTCTGTTC
35201	TGCTTTTCTT	TGCTTCCATA	TTCTGTGAGT	ATATTCATTG	TTGCATTTTC
35251	TAATCCTCAA	AATTGCTTTC	TAGGAGGTTG	AGGAAATACC	TGGAGGATGA
35301	GGCAGAGGTG	TCAGGAAGTG	ATGTGGGAAG	CGAAGATGAG	TATGATGGGG
35351	AAGAAATTGA	TGAATATGAA	GAGGACGTAA	TTGATGAAGT	ACTTCCTTCT
35401	GATGAGGAAC	TGCAGAGTCA	AATCAAGAAA	ATACACATGT	CAGTATCCCA
35451	ATAAGCCCTT	CTGAGTAATA	GGGTACATCT	TAAGACAAGC	CCTGTAACCA
35501	GCCAGAATGG	TCCTTGTTTT	GAACACCTTA	TTTCTCCTGT	TGCAGGAAAA
35551	CTATGTTGGA	TGATGATAAG	CGACAGCTAC	GTTTATACCA	AGAGAGGTAC
35601	CTTGCTGATG	GGGATCTGCA	CAGCGATGGT	CCTGGGCGAA	TGAGGAAGTT
35651	TCGATGGAAA	AACATAGGTA	TCTTGTTTGT	TGCTTTTAAA	AGCAATCAGT
35701	TACGGGCTGA	GCATGGTGCG	TCACGCCTGT	AATCCCAACA	CTTTGGGAGG
35751	CAGAGGCAGG	TGGATCACAA	GGTCAGGAGT	TCAGGACCAG	CCTGAACAAC
35801	ATGGTGAAAC	CCCGTCCCTA	CTAAAAGTTC	AAAAATTAGC	AGGCTGTGAT
35851	GGCACGCGCC	TGTAATCCCA	GCTACTCAGG	AGGCTGAGGC	AGGAGAATTG
35901	CGTGAACCCG	GGAGACGGAG	GTTGCAGTGA	GCAGAGATCA	TGCCATTGCA
35951	CTCCAGCCTG	GGCGACAGAG	CGAGACTCCA	TCTCAAAAAA	AAAAAAAAAA
36001	AAGCAAACAG	TTACAATGCA	TATTTGTCGA	GTTTCAGATG	GCAAATGGCA
36051	AGCAAACTA	TAACAGGCTA	TGTGAAGACC	TAGTTGTAAC	TGTTTTCTGT
36101	TAATGGATGG	GAAAAGTTTA	CATCATTATA	TAGTAAATGA	TAAGGGTTTA
36151	TTTTTTGTCT	GTCCAAGCAC	CCTCTCCTGT	GAGGACTGCC	GAATGCTGAT
36201	TACCTTCACT	CTTTGTTTGT	ATGATGCTTC	CCAGATGGAC	TTGTTCCACA
36251	GAGACTCTGA	TGATGATCAG	ACTGAAGAAC	AGCTTGATGA	GTCAGAAGCC
36301	AGGTGGAGGA	AGGAGCGAAT	TGAACGAGAG	CAGTGGCTTC	GGGACATGGT
36351	AGGAGTTCAC	CTACTCTGAC	CCTAGTTTAT	GAGACTGTCC	CTTAGCTTGT
36401	CATGATAGTT	TCAAAATCTT	AGCTTGTCAT	GATAGTTTCA	AAATCTTAGG
36451	CAACATATTG	TATCTCTTTT	TAATCCTTGA	GCTATCTTTT	GTGTTTTGAG
36501	AAGGCTATAC	CATAGACAGT	TCTCTTCATG	TTTGTCTAAG	ATTAATTTTT
36551	TTTTGTCTAA	AGCAGCAAAG	GCTGCAAAAA	GGAAAACAAA	TACCCAGGA
36601	ACTCTAGTTT	CACAATCCAG	GCCATGCTAA	CTATTTAGGA	AGGTTATAGA
36651	CTTTTAATGC	TGTATATATA	TATATATATA	TATATATATT	TTTTTTTTTT
36701	TTCAGGCACA	GCAGGGGAAA	ATTACAGCTG	AAGAAGAAGA	AGAAATTGGG
36751	GAGGACAGTC	AGTTTATGAT	ACTGGCCAAG	AAAGTTACAG	CCAAAGCACT
36801	GCAGAAGAAT	GGTGAGCTCT	TGTTTCTCCT	TAGGGTCTAG	CCCCCTGGAT
36851	TGTTAGTGGT	AGAGCTTTGG	AGGTGACTCT	AACCTTCAGG	AGCTGTTGCA
36901	GCTTAATCAT	AAGCTTGTGT	CTAATACTGT	CTTAAAGAGG	CTTCACAGAG
36951	GTGGTGGGAG	ACAGTGTACT	TAGATCTTAG	ACTATTGGGC	AGTAGAGACT
37001	GTATTCATGA	GTATATGTGG	CTGGTTTAC	TTTATGTTCT	AAGGCTCAGA
37051	GTAGTTAATT	CTGGCTTTCT	CTAGTTGCC	AGGATTGTAT	ACCTAAGTGT
37101	TAGAGGTAGG	ATTTGAATCC	AGGAATATTT	AACTCCAGAA	ATGAAGCTCT
37151	TCACTATTCC	CTACACTGAC	CACTTCTGTT	TTTCTTAAAT	GATTACTGTT
37201	CAACTTAGTT	GTGTCTCTTC	TTGGAGCCAA	TTATTATAGT	TTGAAAGTCA
37251	CCATTATATA	GAACAGAGTT	CCCATGGCTT	TAGCATATTG	ATTTAGTTAC
37301	AAGATTTCTT	AGCTTGTTTA	GATTTAAAAG	TAATTCCTAAT	CAGCTTTTCC
37351	CAGAATAGGC	CTCTCTGTCT	TTTCTTTCCA	GCCAGTCGCC	CTATGGTTAT
37401	TCAGGAATCA	AAGTCTTTGC	TCAGAAATCC	TTTTGAAGCC	ATCAGACCAG
37451	GAAGTGCTCA	ACAGGTTGGT	TGGGAACCTT	GTTAATCTGA	CATCATAGTC
37501	TACAGGTTAT	AAAGGCCAG	GTCCAGCTTA	GAGAATAGTC	TCTGTCTATTA
37551	GAGGAAGGAG	GTGGCTGCAG	GGAAAAAGTT	AATGTCAAAG	GAGTCTGCTA
37601	TTTCTTTTCT	ATTTGAATAG	GGTAGGCATA	TGTACCCTCA	ATATCTAGGG
37651	GGAAGCAGGG	AGGGAAGGAC	TTTTCATTTCT	TTAGTTGGCA	CTTGGGATTT

FIGURE 7N

37701	GATACCAGAT	GACTCTTCTT	TCCTCAGGTG	AAGACAGGCT	CACTGCTAAA
37751	CCAGCCCAAA	GCTGTGCTTC	AGAAACTGGC	TGCTCTCTCT	GACCATAACC
37801	CCAGTGCTCC	TCGAAATTCA	AGAAACTTTG	TCTTTCATAC	ACTTTCTCCT
37851	GTCAAGGCTG	AGGCGGCAAA	GGAATCGTCT	AAGTCTCAGG	TATGGAATTT
37901	GAGAACTAAT	ATGGTGGCTT	CCCAAACCAG	AATTTATTCA	TTTATTTAAA
37951	TTTAAAAACA	AAAATTCTGG	CTTAACCTCT	ATGCTGCAAT	GTTGAAATCT
38001	TGCACTCCCC	GATAAGGTAC	AAGAGAATTG	CTACCCCACT	CGGTAATCAA
38051	CTTTTAAACT	TGCCGAGAAA	GTTTATCTTT	CTTTCTTTTT	TTCTGTTGTT
38101	AATCATCCAC	AATTTATGAG	TTGCTTGAGA	GCTAATTGAA	GGTAAATACT
38151	TGTATGAAGG	TCTTTAGCTG	GCCCTGACTC	CCTCTCTGCT	CTCTAGGTAA
38201	AGAAAAGGGG	TCCATCTTTC	ATGACTTCTC	CTTCACCTAA	GCACCTCAAA
38251	ACAGATGATA	GCACTTCAGG	ATTGACGCGA	AGCATCTTCA	AATATTTGGA
38301	GAGCTAACAC	CATCAAAGGT	GCCAAAATCT	ACATTGAGAC	TGCTTTTGAGA
38351	AGTTTCTAGC	ACTGAAAGTT	GGAATTGACA	CTCCAGCCAA	TGATCCTTCC
38401	TTCTTTCATA	ATCAATGCAA	TAAGATTGCA	GACAGAAATT	CCAGTGATTT
38451	CTACTGCACA	GCTCTGGACA	TCTCTTTTCC	TAGTATTATT	CCCTGAATTG
38501	GCCACTGATT	TCAATTCTGC	AGTATTTACA	ACATCAACAA	CTCATGGAAT
38551	ACTTGGGTGA	GGTTTCCTTT	TTTTTTTTTT	TTTTAAGATG	GGAGTCTCAC
38601	TCTGTTGCCC	AGCTTGAGT	GCAGTGGCGT	GATCTCGGCT	CACCACAATC
38651	TCTGCCTCCC	AGGTTCAAGC	GATTCTCCTC	CTTCAGCCTC	CCGAGTAGCT
38701	GGGATTACAG	GCATGTGCCA	ATACGCCCAG	CTAATTTTTG	TATTTTTAGT
38751	AGAGACGGGG	TTTCACCATG	TTGGCCAGGC	TGGTCTTGAA	CTCCTGACCT
38801	CAAATGATCC	ATCCACCTCG	GCCCCACAAA	GTGCTGGTCA	CATGCATGAG
38851	TCACTGCACC	TGGCCTTGGG	TTAGGTTTCA	CTTCCTCCAT	TAGACATTTG
38901	ACATTTTATT	GTAGCAGCTT	TCTGGGTAA	TATCTCTTTG	TGATTGATAG
38951	AAGTGGTTGG	AAGAGGAAGA	GTAGGGAAAA	GTGTGACATT	ACAGATTAAA
39001	CAGTGAAAAT	CAGTACCATA	ATGACTCCTT	TACACCCATG	AGATACGTAC
39051	CATGATGACC	AGGGCTCGGT	GAAAGAAAGA	TTTCTTTTTT	TTTTTTTGAG
39101	ATAGTCTCAC	TTTGTTGCC	AGTCTGGAGT	GCAGTGGCGC	AATCTCGGCT
39151	CACGGCAACC	TCTGCCTCCC	GGGTTCAAGT	GATTCTCCTG	TCTCAGCCTC
39201	CCAAGTAGCT	GGGACTACAG	GTGCATGCCA	CCACACCTGG	CTAATTTTTG
39251	TATTTTTAGT	GGAGACAGGG	AGTCACCATG	TTGGCCAGGC	TGGTCTCGAT
39301	CTCCTGACCT	CAAGTGATCC	AGCTGCCTCA	GCCTCCCAAA	GTGCTGAGAT
39351	TACAGGCGTG	AGCCACTGTG	CCCAGCCAAA	AGAACGATTT	CTTAGATGGA
39401	GGACCTAGGA	ACCAACAGAT	GGGCTGCTGT	ATTACTCTTA	CCCCTTTCAT
39451	TTTCCTGTAT	GCTTCTTCCC	AAGGCAGCAT	CAAATTTTGA	ATTAATTTTT
39501	GCTGCTTAAT	AAGGACTTAA	ACTGGTACCC	AAGTCAGAAA	GACTCTGCCT
39551	CTAATTTTCT	GGGGCTTGGG	GATGAAGATA	AAGTGTTACA	CCCAGTGTTT
39601	GTCCACCACA	GTCTGTGGGG	CAGAGAGACC	CTTCCTGGGA	CTGAATTCTC
39651	AATTTGAAGC	ACTGTTGTTC	AAAGATCTCC	CTTCTGGGTC	TGACAAGAAG
39701	AAACATAACC	CTTATTTATT	GCATTCTTCT	GGCTTACATA	CATTGCCCTC
39751	ACTAATCAAT	GGACATTTCA	GCATTTCAAT	ACTAATTTTG	AGAGAAGGCC
39801	ACCATGGAAT	TTAATAAAAA	TATTATTGAA	GAGAATTGCC	ATCATTTCTC
39851	ATTTTCCCTG	AACTACCACA	AGCTTCTCAG	AATTTTAGAC	AAATGTTTTT
39901	CCCCCAGAA	CTGAGCATCA	GTGCTGCTTT	GGAAAAACAT	TCCATGTGAA
39951	TACTGTGGTT	TCAGTGTGAG	GACCTGTACT	TGGGCAGTTG	GAAGAGAGTG
40001	TGCCAGTTTT	TTACTGGGAG	ATGGGAACAC	CAATTTAATT	GATGCAATTA
40051	GGTTGTAGGT	TTTTTACAGT	TTTTCTTTTC	TTTTCTTTTT	CTTTTTCTTT
40101	TCTTTTCTTT	TCTTTTTTTT	TTTTTGAGAC	ATAGGCTGGC	TCTGTACCT
40151	AGGCTGGAAT	ACAATGGCAT	GATCTCGGCT	TACTGCAACC	TCCGCTCCT
40201	AGGTTCAAGC	AATTCTGCCT	CGGCTCCCA	AATAGCAGGG	ATTACAGGCA
40251	CCTGCCACCA	CTCCCAGCTA	ATTTTTTGTA	TTTTTATTAG	AGATGAGGTT
40301	TCGCCATGTT	GGCCAGGCTG	GTCTTGAAC	CCTGACCTGA	GGTGATCCAC
40351	CCGTCTCGGC	CTCCCAAAGT	GCTGGGATTA	TAGGCATGAG	CCACCGCACC

FIGURE 70

40401 CGGCCGGTTT TCTACAGTTT TCTAATACTC AAGATGTTGA CTTTGACAAT
 40451 ACTTATGTTT GTATACTTGT AATCTTATAA TGGGGAAAAT GTGTATAAAG
 40501 ATGTTTTAAT ATGTATGTAG TTTTCAATA AATCTTAATG CCTTGAAGGG
 40551 AAGATTTGCT GTCCAGCTTG AATGCTCATT CTTGGGTCAG TGCCTGTCTA
 40601 ACCTTGAGGA GCATTTCAAT TTCAGGTTAT CTCCATCCCA GGGAAACCCT
 40651 CTGGGTCTAA ACTGAGAAGC TGCTGCAATT GTCCCCTCAC TGGCTTCTCA
 40701 GTCCTAGTGA ATTGATCAAG TTAACCTACC AAGTGGTTTG GGTTCAGCTC
 40751 AGGTGAAGAG GATAATTGAG TTTACATAAA TGGTACCTTC TATTATAGCT
 40801 CTTTGTTTAA AAAACTTATT TTTTAGAGAC AGTCTCATTC TGTTGCCAG
 40851 GTTAGAGTGC AGTGGCACAA TCATAGCTCA CTGTACCCTT GAACTCCTGG
 40901 GCTTCAGCAT CCTCCTTCCT CAACCTTTGG AATAGCTGGG CCACATTACA
 40951 GGCATATGCC ACCATGCCCA GCTAATTATT TTATTTTAGT AGAGACAGGG
 41001 TCTTGCTGTG TTGCCCCAGC TGATCTTGAA CTCTGGCCT CAAGTAATCC
 41051 TCCCACCTTG GCCTCCCAAA ATGCTGGGGT CACAGGCTCA GCCACCATGC
 41101 CCAGCCTGTT ACAGCTTTGA TTGGCCTTTC TCTTTAGCTA AGTTTGTATG
 41151 TACTTCATTT TATCCATGGG TTCAAGATAC ATGTTTTTGC CTCTTTCTTT
 41201 GAACTCTCTA AACAGTTCCC AAGGCAAAGT AGCCCTTGCT GGGCAAAAGA
 41251 GAACTGAGCA GGAAGGCTAG ATATTTCTTC CCTCTTGTTT CCTACATGT
 41301 CTTTTGAGGA GAGATAGAAA AGACAATTGG AATTGACAAC TGAGGATAAG
 41351 AAAATTCAGC CAGGTCCGGT GGCTCACGCC AGCACTTTAG GAGACTGAGG
 41401 TGGGTGCATT GCTTGAATC AGGAGTCGA GACCAGCCTG GGAACATGG
 41451 TGAAATCCCA ACTCTAAAAA AAAAAAAAAA AAAAAAAAAA AAAGAAAATT
 41501 AGTGCCTGAG AAATCCAGGG AGAAAATGGT TTCTGGGCTG GGCCTGGTGG
 41551 CTTATGCCTG TAATCTCAGC ACTTTGGGAG GCTGAGGCAG CTGGATCACC
 41601 TAAGGTCAGG AGTTGGAGAC CAGACTGACC AACAAGGTGA AACCCCGTCT
 41651 CTAATAAAAA TACAAAAATC AGCCAGGCTT GGTGGTGGCA GGTGCCTGTA
 41701 GTCCAGCTA CTTGGGAGGC TGAGACAAGA GAATTGCTTG AACCTGGGAG
 41751 GCAGAGGTTG CAGTGAGCG AGATCACGCC ACTGCTCTCC AGCATGGGCG
 41801 ACAGAGTGAG ACTCCCTCTC AAAAAAAAAA AGAAAGAAAG AAAATGGTTT
 41851 CTGATTGAGG CTCCTGGGAG AAAGCACTCT TTGGAGAAAG AAACTTGAG
 41901 TCAAACCTCT GGTACTTTTT CCTTATGCCA GGATGGCTGC TATAAGTAA
 41951 GCTAAGCCTT GATCTTGTA ACAGGATTGA CATGGACAGT TTCAATCTGA
 42001 CCCATATGCC CTTTGCCCAA AGCACTGAGC CAGCAGCATC AGTTATGTTT
 42051 TAATGAAATT GAAGCCCAG GACCTGCCAC TATGGCTCTG AGGAGGACTC
 42101 AGCTTCACTA GCTTGGAAT TACATATTTG GAGGGATGAG AGCCCATGAG
 42151 TGTGGGAGAT AGGGTAGGCT CAGTGTCACT GTTTTGTGTT CTTCCTTGTT
 42201 CCATACACTT GAGTAGGGAT ACATGGTATT AACCTCTTTA AACAGGTCTC
 42251 TAATTTCTATC TCATTAATTC ACAGTTGCAC AGCCATACTA GGGTCTCTTC
 42301 CATAAACCAT AAGATTTTAT TCACCAAAGC TCTAGAGACA AGGTACTCAG
 42351 ATCTCTGTGG CATCCCTCAT TTTCTCAACT GCTTCTCTAC AAACCTCTCC
 42401 TCACTTTGAG AGTTTCTAAT GCTCAGGCTG GGAGACTTTT TAGGGGGTGT
 42451 TTTTGGTTTT TATCTCCTAG GGTTATGTCT AATCACTCTT GTGGCATCCT
 42501 GTCCTGGGAT TTGTGCTCCT AAGGATAGAG GAGAGTATTT CTGGGAGGAG
 42551 TGTTCCCATG ATACTATTTG ATTATGTCAT CCTTGAGATG GTATTGTATC
 42601 TTCTACCCTT ATATCCTACT CATCGCCTGG CACACAGCTT GGAATGTAGT
 42651 GGTGCCCTACC ACAGTTTGAA TAAATAACAC TACACCTTTC AGAGCCTCTG
 42701 TTTATAAAAT GAGGATACTA AGTCATGGCT GTCTCAGAGT TGCTGGGGGG
 42751 CTTCAAGTTG AAAATGTATG TCAGTGCATT ATGTCAAGTG CCACTCTGTA
 42801 AGCATAAGAA ATTGCCAGTA GTCCTCAGAA AAAAGAAAAT CACCTCCTTT
 42851 GAGAATGAAA GAAATTACCA GTATCACAAT TATATCATAT ATTGTAGGCC
 42901 ACTTCTGAAA GGCCCATTTG TTCTCAAATA TCTCAAACCT AAAATGAAAA
 42951 TGTGATCTTC TCTAAAAACC TGCTCTTCCT CCTGTATTTG CCATTTTCAGT
 43001 AAAAGGTACC TCCATATATC CAGTCACTCA GACTGGAAAT CTGGAGAGCA
 43051 TTCTTGACCT GTTCTTTAAT CCTGTAATCA GACAATTTCC AAGTTCTGTT

FIGURE 7P

43101	ATTTCTACTT	CCAAATTGCA	TCTGGAATCA	GCTCATTTCT	TCCAGCTCTA
43151	TGGCCAGCCC	CCTGGTCCAA	GATTCCACAA	TTTCTTTCTA	GGGTCCCTACC
43201	GTAGCCTCCT	GACCCCCCA	CTTCTGTTTT	TGCTTCCTTT	TCATCCAATC
43251	TGCACAGCAG	CCAGAGGCGA	CCTTTATGTA	AATATAATTT	GGAGGATGAC
43301	ACTTCACTAC	TTAAAATCTT	TTAATGTCTT	CCGCTGCACT	CAAAGTTCAA
43351	ACTTCTCATG	GCCGATGCAT	GACATAGCTC	TGCCTCCCAA	CCTGCTGTCT
43401	ACTCTTCTTT	CTCATGACAT	GCAGCCTCAG	GAGCATCTAA	AGTGTCTCT
43451	TTCCCTGGAA	TGCCCTCCCC	TACATCCATC	CTCCTTCTTT	GTCTGACTAA
43501	TGCATAATTC	TCAAGGTGTT	AGCTTAAGCC	TAATTTCCCTC	AGAGAAGCCT
43551	TCTCTGACCA	TTAACACCCC	TTTCTTTTTT	CTTCTTTTCT	TTTTTTTTTTT
43601	TTTGAGACAG	AGTCTCGCCC	TGTCGCCCAG	GCTGGAATGC	AGTGGTACGA
43651	TCTCGGCTCA	CTGCAACCTC	TGCCTCCCGG	GTTCAAGCGA	TTCTCCTGCC
43701	CCAGCCTCCC	AAGTAGCTGG	GATTACAGGC	ATGCGCCACT	ACACCCAGCT
43751	AATTTTTGTA	TTTTCAGTAG	AGACGGGGTT	TCACTATGTT	GGTCAGGCTG
43801	GTCTCGAACT	CTTGACCTCG	TGATCCGCCC	GCCTTGGCCT	CCCACAGTGC
43851	TGGGATTACA	GGCATGAGCC	ACCAAGTCCA	GCCTAACACC	CCTTTCTTAA
43901	TTAGGTTACC	TTTGTATAAG	TTTCTTATTC	TTTTTTTTTG	AGATGGATTTC
43951	TCGCTCTGTG	GCCCCGGCTG	GAGTGAGTGC	AGTAGCACGA	TCTCAGTCA
44001	CTGCAACCTT	TGTCTCCCCC	GTTCAAGCAA	TTCTGCCTCA	GCCTCCCAAG
44051	GGGCTGGGGT	TACAGGCACG	CACCACCACA	CCCGGCTAAT	TTTTGTATTT
44101	TTGATAGAGA	CGGGGAAGGT	GTTAGCTTAA	GCCTAACTTC	TTCAGAGAAG
44151	CCTTCTCTGA	CCATTACCAC	TCCTTTCTTA	ATTAGGTTAC	CTCTGTTTGA
44201	GTTTCTTGTT	CTTTTTTTTT	TTTTTTTTTT	TTTTTAATAT	GGATTCTTAC
44251	TCTGTCACCC	AGGCTGGAGT	GCAGTGACGT	GATCTTGGCT	CACTGCAACC
44301	TCGGCCTCCC	GGGCAATCAA	TTCTCCTGCC	TCAGCCTCCC	AAGTAGCTGG
44351	GGTTACAGGT	GTGCACCACC	ACATCTGGCT	AATTTTTGTG	TTTTTAGTGC
44401	CCAGCTAATT	TTTGTATTTT	TAGTAGAGAC	GGGGTTTCAC	CATGTTGGCC
44451	AGGCTGATCT	CGAACTCCTG	ACCTCAAGTG	ATCCAGCTAC	CTCAGGCTCC
44501	CAAAGTGCTG	GGATTATAGG	CATGAGCCAC	CACACCCAGC	CCTAGGTTTC
44551	CCATTCTTTT	GGGTCTGTCA	TCATGATGTG	TTACTTTAAT	GTTTCGTTGAG
44601	GCTTGCTTTC	CCTACTAGAC	TGTAAGTGCT	GTGAAAACAG	AGCATATCCG
44651	TTTTGTTGAA	AAATGTATGC	TTTGGGTAGC	ACCATGCCTG	GCACATAAAA
44701	TAATTCAATG	AATTTTTTGA	GCAATGAGTG	ATGGGAGGCC	TGGAAGAGCT
44751	AATGGTGAAA	AGCATAGAGC	TGAATTATAT	ACAGAGGAGC	TTTCTAGTGC
44801	AGGACAGAAT	AGAGGTGTAG	AGCTTTAGTC	CTTGCTCTTT	CTGCAGCTTG
44851	TAAGCATCAT	GACTTTGGGT	AAGTCAGTCT	CTTTTTTCCT	CAACTGGAAA
44901	ATGGGGCTCA	TGTGAAATGA	CTTGGTTTAG	CTCACAGGGT	ATGGTTAGGA
44951	TCAAAGGTAC	AAATTAATGT	GAAGTGAATG	TACATATTTA	AGAGGCTGCA
45001	CTAATGCAGG	CTAACTCACT	GCTGAGGAAT	GGGTAGAGCT	GAGTGGGAAG
45051	GAGAAGCCAA	GCCCCAACAA	AGCTCCATAG	TCCACCATTG	GTGGCTAGCT
45101	ATGTGCTGAG	ACTTGTTATA	GCAGTAGAAA	TGGAGGCCTG	TGTGTATGCC
45151	TGGACTCCAG	TGAACTGGGG	AGATAGACGT	GGCTTGTGTA	TGGCTGGTGT
45201	CACCTCAGAT	TTTACCTTTT	GAGACCAAGG	TGCCTGGTTT	CTGTCCCCAG
45251	TAGTTTTATT	GTCTTGGTCT	GTACCATCCA	CGTCCTTCCC	ATCCCCTCTT
45301	TTTGTCTCT	CTCCTCTCAC	CTTAAAGGTT	TTTCATTTTC	AGTTTATTGA
45351	TTTAGTTCTA	CCCTGTGGTG	GGATTCATAA	TGGGAAAAGG	GAGTTTGAAG
45401	TAGCTACAGC	CTAAGGGTGA	TTGGAAGGAG	TTGGGGTGGA	CACCTGAGTT
45451	CCTTCCCTTC	ATTTTAGAGA	GAACCGTAGT	CCGCGGAATT	CTTGATGGCT
45501	GGTGGGCTAG	ATGTAGGGTT	GAAGAGGCAG	CTCCCAGCTC	CAGGCTGGAG
45551	AATTATTGCC	TAGTCCAAGG	GGTAGAAAAGT	GCTGAGGCAG	GGTTGGGAGT
45601	GAGCCGTGGT	TTGGGTTTTT	TGGCCCTCAT	CTCTTTTTCT	CAGAGGCTGA
45651	AGGAAGGAAA	AAGGCTGACT	GCCCACCCTT	CTGTTTGTTC	GTCTTGTCTA
45701	ATTTAACTTA	CGTTATTTAT	CAAAAAGACA	GGTTATTTGG	AAAACCAGAT
45751	GGACCTAGGC	AAAAATCATC	TGGGTTTTTC	AAACGTGAAA	AATTAGGTTT

FIGURE 7Q

45801	TGGGGGCCCCA	GCAGGAAAGG	CGTGTGTGTG	TGTGTGTGTG	TGTGTGTGTG
45851	TGTGTGTGTG	TGTGTGTGTG	TGTGTGTGTG	TTTGAGGGGA	GGGTGAGGTT
45901	GAGTGAATGT	CTCTGTAGTT	AGACCCAGAA	ATTGTTCCAT	GACTTCCAAG
45951	CATACTCCCT	CCTTCATTTT	CCTTCAAGTT	CTTTATGATT	AGAATCTAAA
46001	TGAGAAAATT	AAAATCTTCA	TGTTGGTTGC	TGGATGTCTT	AATTGACCAA
46051	GGATTAGAAC	CCATCAGGGC	TATAGAAGAA	CAGCAGCTGA	CAGTTTTCTC
46101	TATCTTTCCA	GCCCTCAGTC	CCTTACACAG	AGTGGGCAGG	TTAGTGAGAG
46151	GTGCAGGGTA	CTGAGAGTTT	TCTGAAACAG	AAACCTGTGC	TTCTTGTCCT
46201	TTCAATGTGA	TTGTTCCAAA	GAGTTGCAGC	AAATATGGAG	GTTAGACATT
46251	AGGGAAGAAC	TTATCATCAA	CTTTCTGATG	ATCAAATGGC	TAAAAGAACA
46301	CTGAGGATCC	AGGGCTGTCT	CTCCATTGAC	TATCCAGGGA	AGGAGCTAGC
46351	CCAGTTTTCT	TTTGGGCAAT	GGTGGCTTGC	TCTGTAGCTA	CAACCAGGAA
46401	TTTGTAAAAC	TTGTGGTTTT	GGGCCAGGCA	TGGTGGCACA	TGCCTGTAAT
46451	CCCAGCACTT	TGGGAGGTTG	AGGTGGGGGG	TTTGCTTGAA	CTCAGGGGTT
46501	TGAGACCAGC	CTGGGCAAAA	TGGCGAAACC	CCATCTCTAC	AAAAAATACA
46551	AAAATTAGCT	GTGCATGGTG	GCATGCACCT	GTGGTTCCAA	CTACTTGGGA
46601	GGCTGAGGTA	GGAAATCACT	TGAGCCTGGA	GGTTGTGGCT	GCAATGAGCC
46651	AAAACCTGCA	CATTGCATTG	CAGTCTGGGT	GACAGAGTGA	GACTGCCTCA
46701	AAAGAAAAAA	AAAAAATAAA	AAAAAGCTTG	TGGTTTTGTT	ACCTTGAGCA
46751	GCAACATTTT	TAGGAAGGAA	TAAAGCAGG	AGGCTATTGA	GGCATAGCTC
46801	TTGGCTGCCA	TAGAGGAAAT	GTTCTGGCTG	AAAGCAGAAA	GCAAGCCATC
46851	CAGTTCATAC	ACATATGCAC	ACACACAGAA	GACAGCCAAG	ACCCTTTCTG
46901	GCCTGAGAAA	TCTTTGGCGG	CAGCAATAGC	ACTTGTCCCA	TTGTGAGTGG
46951	CATTTTTTTC	AAAGTGTGAT	TGGACTGTGA	AAGCTACTTA	ATAACTTGAT
47001	CTCATCTGAA	TAATCTGAGT	TAATACTAGC	TTCACAGTTG	TGAGGATTAA
47051	ATAAAAAAAA	ATTGTAAAGT	GTCTGCCTCA	AGGCCTGGCA	CAGAGTAAAT
47101	CTCAACAAAT	GCTCGTTGAA	TGAATGAATC	CATGAATCTG	AGCATTAAAG
47151	CCCCCCTCAC	CGTTTCCAAG	GATCAGTGCA	TAACAGCCCC	GGTAACTGAG
47201	ACTTGTAGAC	TGTCCCAACT	GAGCCTGCAG	CCTGAGGCAT	TAGCTAAACC
47251	TGCTGTTCCCT	TTGACAAATA	TTTGATGAGT	TATGGTGTGG	AGGGTGGACC
47301	CTTCCATGAA	GGCCTTGTTG	GCCTAGCTGT	TGGAAGCACT	ATGCAGACAG
47351	TCTTCCAGGG	TGGGAATTGC	CTCAGAGAGC	ACCTTGCCCA	AGGTCAAGGA
47401	TAGCCACAT	TCAATGGCAA	CAGGTGTGTA	ACGGCCTGGC	CTTCTTAGCT
47451	TATTTTGGGT	CAACTCTGAA	GGGCCATTCT	AGCTTCAGAG	CTCCCTGTGG
47501	GGTTGGCTGA	GGCTGTCACT	GGCTTGTCTT	GTAGATCAGC	CTCTTCCTCT
47551	GGCCACTCCT	GCTCATTCTC	ATTCTTCCAC	AGCTGTTGAT	CCCAAAGGAG
47601	GTTCTTAATA	AACATCCAGC	ACATTAAACA	GTCTCAGAGT	TGGCTTCCTG
47651	GGAAATCCAA	GCTATGAATG	CACTAGTCCT	GGTGGCCAAG	CCTTTAGAAC
47701	AACAAAGAAC	GGAGACTCCT	TTGCAATGGA	TTTCCAGCGT	TGGAGGTGTG
47751	GATACTGTCT	CTTTATGCCC	ACCAGAGGGC	AGCAGCATCC	TAGCCACCTG
47801	CCCTTCTGAG	GCTCCAGGAG	TGGGCTTGAA	GCCTTTTCCC	CGGCAACTTC
47851	ACGCCCCACA	CCAGTATTGG	GCAGGATCAC	CTCCCTTAGG	GTGTTACACC
47901	TCCTGACTAA	AACAACAAAA	CTTTCTTAAA	CTGTCCAGGC	CTTAGTTTTG
47951	TTAGTCTCAA	GCTCCTGTAC	CACCATCACT	GAAGGCCAAT	CAGTCTTCCT
48001	ACTGTGCCCC	TTCCCTTGCT	CCTCGTCCGG	CAAGCTCCGT	GCCTGGGATC
48051	CCCCACCTCT	CACACTTACC	ACCCACAATA	GATTTGTTTT	CTGTGTGACA
48101	AGGTAATTAC	AAGCTTGGGG	CCAGTAGGCC	CAGGGGCCAG	TCTGAGGATG
48151	GTCACCTCAT	TCTGGCTCTC	CCTGTTCTGC	TAACGGTATT	GATTTTCAGT
48201	TTTATTTATT	ATGATGATGT	GTGTGTGTGA	TCTGGCCCTG	GTGACATGAC
48251	ATATGGAGGC	AAGAGGGCGA	GAGCAAAATT	CCTTTTGTCA	CAATTTGACT
48301	TCTTGAAACC	GCACCCCCAC	CACCACCACC	CAGCATTGTT	TATTTACAGG
48351	TTTGTAGCATC	TTTGCTTACC	TGTCTTCATT	CTGTCCCCTC	ATCCCCAAAG
48401	ATTTCTAAGA	GATTCTTCTG	GGAATTGGAG	CCAGATGGAT	GTGACTACAA
48451	GAAGGAGGAA	AGGGTCTGGG	AAGAGGAGTG	ACAGCAGCAA	GCATACTACC

FIGURE 7R

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48501 TTTTGTAGC AGCCATTAAC TCATCCAGCA AACATTTACT ACATTCCCAT
48551 CACCTGTCAG TTACTTCTAG GCTAAGCTCC CCAACTCCCT GCTGGGGGCC
48601 ATCCTGGAGA CAGGTTTTGC TATGCGCTTT TTTTTTTTTT TTTTTTTTTT
48651 GTCTGCATCT GTTTCATATG GTGTGTGAGG AAAACCTGGC CAGAAAGCTT
48701 TGAGAGAGTG AGATTGAGTT TGGGTGCAAC CAACTCAAAG AACGATGCTT
48751 GCCTGAATTT AAGGCTACTT AAGGCCTCCC GTAATGTAGT CTACTTCCTT
48801 ACGAGGAAGA GGAAGGGCAA GCTTGAGGCA AAACATTACA AGTGGGAGGG
48851 GGCACCTCTGA ACTGCAATGA TTGCCGTGGG AATCAGCTGA GGCTGAGGGC
48901 GATTTGTGGG GCCATGTTTC CCCAGCCTGT CTTCTCTGTG CGTGCCAGGA
48951 GAATGAATAA ATCATTGTTC AGGGGCGGGA TGCAGCTGCC GAGCTCCTCC
49001 CCTCGGCACA TGCCCCAACT CCAGCTCCTC CATTGAGGGC TGCTGGAGCA
49051 GAGCGGTTTA TACACCCAGC TCCCCAAATC CTATTGAGGC CTCCCCCTCC
49101 GCACGAGCCA CCGGCTCCAA GCCCATTGAG GCTGGCCCTT TGTGCTGGGG
49151 GTTAAGTGGT TACATGTGGG GGGCACCCAG AAAGGAACTG TCAGGCCTTG
49201 AAAGGCTGTG CTGATACAGT GCCCTCCTAC TGATGAATGG GGTGGGTGGA
49251 GGAGAGGTGG GCGGCCGGAG GGTGGGGTGG GGGAGAGGGC ATGGGATTA
49301 TGGAGCCCAC AGAGGCAGCT CTAGGAAGG GGGTGAACA GGCACCCCTT
49351 TCTCTCTTTC CTCTTCACT TCAGCTTCTC CGTCTAGCTT ACTCCCTCTG
49401 TTGTGGGCAC TGGATGATCA AGAGCCTTGG GACCTTGGAT TTGGCTTTTC
49451 TGATGTCCTG GTGACCGCTT GAGTGCAGTG GAGAGAAAGA ATTTATATTA
49501 CCTTTCATTC TTCCAGCAGC TCCGAAAAGA CCTGTTTCTC CCTTTTCCCT
49551 TGGAAGGGGT GGGTGAGAAG GGGAACAGTG TTGGGGACAG GGGGAGGATT
49601 CATTCCTAG GTTCATCTGG TGCAGTGGAT TTGCAGCTGT GCCCTGCCGA
49651 ACTTTTAAAA GCTTCTCTGA AGTTCCCTCG GAGCCCTTAG GTGGAGGGTT
49701 TAGGGGAAGA CAGATCTCAA ACTGGATATA TTGGAAAGAT TTTGTTGAGG
49751 AAAAAGAAAT TACTTCAAGG CTCTAAAAAT GCTTTAAAC TTCTAATTGA
49801 ATGTACCGCC TTGTCAATTT ACAGCTGGGA AAACAGCCAA AATGGAAGAT
49851 AGGGGAATGG GCATATTTTA CCTAAGGTAA ACACATAGTA ATTTCTTGAT
49901 AGACTAAAGA GGCACTTTAC CTTTAAAGAAG CAGTAGAGAA ATGGATGAAC
49951 AAAACAAGTA GGTCAATGAG TTCTAGGCC TCTCTTTCCC AAGATGAACC
50001 AATTCTGGGG AATAATGTTT GTTCCAATCT GCCTTAATGG CTCTTTGGCA
50051 TGTCAAAGGT CCTCTGGGGT TGTGCCTGGT CTTGGGAGCC CAAGTGACAA
50101 TGTTCAACAC TATGTTATTG AACAATTTT AAGGCATATT ATTTTATTTA
50151 GCCCAAAAAG GTTAAAATGA TTTGATTGTC CTAAGTTCCC AAAGCCATGT
50201 GGGGAAGTTG ACAGATGATG TGACCTCAGG AAGAGAGAAG AAAGCAGGTT
50251 AGCAACGTAG TTTGTAATCC AGGATCGTGC TTTGTTCTGA TATGGAAACT
50301 CTGAGGGCTT CCTCAGTTAC TTCCCTGCTG TCCCAGGAT GGAGCCCAAG
50351 CTCCTTGGGA TGGTGTCAAG AACTTTCACA ACTGGGCCAA CTTTATCTTC
50401 TAGCCTCACC TTACCTCCAT TTCCCACCGA GCTCCAGCCA CACTGGCCTA
50451 CGGGGTGTTT CCTGAATCA CTCTGAAAAT GCAGTCTCCT ATGCCTTCTC
50501 TTGCTTTCTC TTGGTGAGCT CTTATTCATC CCTCAAGGCC TGGCTCAAAT
50551 ATCACCTCTG TGCTAGCTGG GTTTAGTGGC TCATGCCTGT AATCCCAGAA
50601 TGTTGGGAGG CCAAGGTGGG AGGATCACTT AAGGTGGGA GTTCGAGACC
50651 AGCCTGGGTA ACATAGCAAG ACTCCCATCT CTTAAAATAA AAAAAATCAC
50701 CTCTGTGAAG CCTTTCCTTA CCCTTTTCTG GGCTTACTAC TTTTGCCTCC
50751 TGGCTCTGTT GCAGGGCCCA TTACATTGTT ATAGCCCACT CTTCTGTCTA
50801 TTCCTTTTCT TTGAGACAGG GTCTGGCTCT GTCACCCAGG CTAGAGTGCC
50851 GTGGTGTGAT CTTGGCTCAC TGCAACCTCT GCCTCCCAAG TTCAAGCAGT
50901 TCTCGTGCTT CAGCCTCCCA AGTAGCTGGG ATTACAGGCG TGTGCCACCA
50951 TGCCCGGCTA ATTTTGTAT TTTTAGTAGA GACGGGGTTT CACCATGTGC
51001 ATCAGGCTGG TCTCAAATC CTAGCCTCCA GTGATCTGTC CGCTCGGCC
51051 TCCCAAAGTG CTGGAATTAC AGGCATGAGC CAACACACCA TGACTTCTGT
51101 TTCCCTTTCT AAACAAGGAG CTCCCCAAGA CCACGACCAG TTCTGATTCT
51151 GCTCTGAATT CCAACACAG TACCTGGCAC AAAGTAAGCA CTCTGTAAC

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FIGURE 7S

51201	GTATGATACA	TGTAAATGAA	TGGGTGGGAA	GGGACAAGGT	CTTTGAAGCT
51251	GAAACACCTT	GATCTTACCC	ACCCCTTTCT	TCCTGAGAAT	ACTGATATTG
51301	AGAAATTATC	CACCTATGAA	TAACCCTTAG	GCCTGTCCTA	TTTCCTGGAT
51351	GAGAAATTC	TCTCATCTTC	TCTGGTCTCC	TTGCCTGACA	CCCCAGGCCC
51401	TGGGACCTGG	ATCTGGCTAC	TCACTGCTAG	CCTCTCTTGG	CTCTGACATC
51451	TGTTTGCCAA	GAGGCTTACC	CGCTGTCCAT	CATTGGGTCT	TGATGGCATG
51501	GCCTTTTGCA	AAGCCCTGTT	CAGGCTGATA	CTGGCCATCT	CTGGAGGTTT
51551	CTGTGTCCTT	GCCACTTAAG	TTCCTGGCAT	ATATGTGGGT	AGGTGAACCC
51601	AGCCACAGAT	ACCCTTTCAC	TTGGGGGTGA	ATTATTCTCT	GGTGTCTCTA
51651	CTGGAAAAGC	CTCTGGCAAA	TGAATAACAG	GCATCTCTAT	AGCTGCTTTT
51701	TTGTCTTCCT	GTGGACATGG	ACATCCCTGC	ATTTGGAGCT	TTTTTTTCTT
51751	CAGGTTTTGA	GCTCTGAAAA	TTATGGAGTG	ACCAGGACTG	CTGTGTGAGC
51801	ACTGACTGTA	TTAATTATAC	AGTGCTAGAA	TATTCATAC	AACACTGCCC
51851	TTGATTAACA	AAACTGGCTA	CAGGCTGGGT	GTGGTGGTTC	ACGCCTGTAA
51901	TCCCAACACT	TTGGGAGGCC	GAGGTGGGCA	GATCACTTGA	GGCCAGGAAT
51951	TTGAGACCAG	CCTGGGCAAC	ATAGTGAAAC	CCTGTCTCTA	TTAGAAATAC
52001	AAAAATTAGC	CGGTGCAGTG	GCACACGCCT	GTAGTCTCAG	CTACTCAGGA
52051	GGCTGAGGCA	TGAGAATCGC	TTGATCCTGG	GAGGCGGACG	TTGCAATGAA
52101	TGGAGATTGC	ACCACTGTAC	TCCAGCCTGG	GCAACAGAGT	AAGACTCCGT
52151	CTCAGGAAAA	AAAAAAAGAA	AGAGAGAGAC	TACAATCTGA	TTTCCTTTAA
52201	ATGAATTAC	TTGACTTAGC	AGGTATTGTA	TTATTTAGGA	ATAACTAGCT
52251	TTAGGCCAGG	TGTGGTGGCT	CACGCCTGAA	ATCCTAGCAC	TTTGGGAGGC
52301	CAAGGCAGGC	AGATCACCTG	ATGTCAGGAG	TTTGAGACCA	GCCTGGTCAA
52351	CATGGTGAAA	TCCTGCCTCT	ACTAAAAATA	CAAACATTCA	CCAGGTGGCG
52401	GGCACCTGTA	GTCCCAGCTA	CTCAGGAGGT	TGAGGCAGGA	GAATTGCTTG
52451	AACCCAGGAC	GTGGAGGTTG	TAGTGAGCCA	AGACTATGCC	ACTGCACTCT
52501	AGCCTGGGTG	ACAGAGAGAG	ACTCCATCTC	AAAAAAAAAA	AAAAAAAAAG
52551	GAATAACTAG	CTTTTATAGAA	CAATGGAATT	GATGACTCAG	CTATTCCAGG
52601	CTGGGGTGCT	GCCCTGCAGA	GCACGATATA	GGCTTTATTT	ATTTTATTTT
52651	AATTTTTHTT	TTTTGAGACA	GGGTCTTACT	CTATCGCCCC	GGCTGGAGTG
52701	CAGTGGCAGC	ATCTTGGCTC	ACTGCAATCT	CTGCCTCTTG	GGTTCAAGCG
52751	ATTCTCCTGC	TTCAGCCTCC	TGAATAGCTG	GGATTACAGA	CGCGCACCAC
52801	CATGCCTGTC	TAATTTTTGT	ATTTTATAGTA	GAAACGGGGT	TTCATCATGT
52851	TGGCCAAGCT	TGTCTCGAAT	TCCCAGCCTC	AAGTGATCCG	CCTGCCTCGG
52901	CCTCCCAAAG	TGCTGGGATT	ACAGGTGTGA	GCCACCACAC	CAGGCCCAAT
52951	ATAGGCTTTA	AATCAATGTA	TATAATGCTT	TGTCCTTTGT	GGCCAGAATG
53001	CATAACAAGA	AGAGGTAGCG	GTGGTTGTGG	CACCTTATAT	GATTTACCTA
53051	AGGACTAAGA	GTTTTCTTCC	TGTCTCTGAG	ATTCTGGGTA	TTGCAGGTCA
53101	GAAGGTGATA	GCATCGGCCA	GGCACAGTGG	CTCACACCTG	TAATCCCAGC
53151	ACTTTGGGAG	GTCAAGGCGG	GCAGATCATT	TGAGGTCAGG	AATTTGAAAT
53201	CAGCCTGACC	AACATGGTGA	AACCCTGTCT	CTACTAAAAA	TACAAAAATT
53251	AGCCGGGTGT	GGTGGCACGC	GCCTGTAACC	CCAGCTACTC	GGGAGGCTGA
53301	GGCAGGAGAA	TGACTTGAAC	CTGGGAGGCG	GAGGTTGCAG	TGAGCTGAGA
53351	TCGCGCCACT	GCACTCCAGC	CTGGGTGACA	GTGAAACTCT	GTCTTGGGAA
53401	AAAAACAAAA	CAAAACATGG	TGATAGCATC	ATGGGAGGAA	TGTTTCTTCT
53451	AACCAAGAAA	CACAAAGATG	ATTCCCTGGG	ATTTCCGGCTC	CTGGTAGCAC
53501	TAGAGGAATA	GGAGAAGGGG	GTGGTCTCAG	TGTAGACTGG	ACTGATCATG
53551	GCTACCAAGG	AGAAAGGGAG	TTACTGTTAC	CTAATAAGTG	TTGAGAGGTG
53601	CGTGAATGGA	ACCCAGAGAC	CCTGGGGTCA	CCACCTTGTTG	CTATTGTAGT
53651	AATCAGCATT	CTTTCAATTG	TCGGTGAAAG	AAATTCCACT	CAAGTTAGGC
53701	TTGGCAAAAT	AAGGCATACA	AAACTATAAG	TTTAGATGCA	GGAAACAGGG
53751	TCTGCAACAT	TATCAGAACT	ATCTCTCATC	TCTGTTTCTT	CCCTGCCTCG
53801	TCTTCCTTTA	ATTTTCGTTTC	AGAAGATCCC	AGAGAAGGAC	TCTGACTGGC
53851	TCACCTGGAG	TGGAGCTCCT	ATCCCTGGAT	TCTTCAGGCT	TTCATTTGAC

FIGURE 7T

53901	CCACATGGTT	AAGCTGGGAG	AGACAGAGTC	CAAAGAGAGG	CGGAGAAGGG
53951	CTATTCTGGG	CAGAACAAAC	AATTGATGAC	TTTATGGCTC	TGTGGTCTGG
54001	GCAGAACTGC	ATAACCCTAG	ATCACCAAAG	CTGAGAGCCT	TTAGGAGTGA
54051	GGATTTGGGC	CAGGCATGGT	GGCTCACGCC	TGTAATCCCA	GCACTTTGGG
54101	AGGCCGAGGT	GGGTGGATCA	CAAGGTCAGG	AGATCAAGAC	CAACCTGACC
54151	AACATGGTGA	AACCCCATCT	CTACTAAAAA	TACAAAAATT	AGCTGACGTG
54201	ATGCATGCAC	CTGTAATCCC	AGCTACTCAG	GAGGCTGAGG	CAGGAGAATC
54251	GCTTGAACCC	GGGAGGTGGA	GGTTGCGGTG	AGCCGAGATT	GCGCCACTGC
54301	ACTCCAGCCT	AGGCGACAGA	GCGAGACTCC	ATCTCAAAAA	AAAAAAAAAA
54351	AAAAAAAAAA	GTGAGGATTT	GGGTCACCCC	AGGCTGAAGG	CCAGGGGAAC
54401	CTGAAGTGGA	TAAGGGAAGG	GAGAAGACTT	AGGCCACAGG	ATCTGATGTA
54451	GAAATGGGGC	TGACGTCTCC	ACCTGTATTT	TCTTAGCTGG	AGGAGTGTGC
54501	AAAGTTTGAA	TTACTTCTGC	CTTCTCCTTC	TTATTTTCCTT	TTCCCTTTTA
54551	AAATAGTCAT	CATAATCATA	AAAATTTCTT	TTCCATTTTC	CCTGTTTTTG
54601	CATATAGGAT	TTCTTGGTGT	GATTTAATTT	GCCAATTAGT	CTCTAGGTTG
54651	CAGAATGGTG	ACTTGGAATC	AAATTGAAAC	TGGAAGAGGG	CACCTCATAT
54701	ATTAGGGTCA	GCAATTACTG	AAGCTGTTC	TCTTTTATTC	CAAACAGGGC
54751	CCCCAACTTC	ACATTTCCCC	AGGGTGCAAA	AGAGTGAGGG	GGGTCAAGCT
54801	TCAGTAGAGT	GGAGCTCTGA	GAAGAATCCA	CTGGAGTTTG	GAACCCAAGA
54851	CCCTTTTTTA	TCACGCTGTT	CCTCCTCACC	TGGGCAAAAG	CCTGGTACC
54901	CACTTCACAG	GCATCATGGG	TGGGCTCTGT	GTCCTGCGGA	GAGCCCCCGT
54951	CCCGGGTACA	GGACATCAGC	CCTGAGCCCT	GTCCCAGGCT	TGGATCTTCT
55001	TTCTCTCTCT	CTCTTTTTTT	TTTTTTTTTT	TTTTTTTTTT	TTGAGACGGA
55051	GTCCCACTCT	GTTGCCCAGA	CTGGAGTGCA	GTGGTGCACT	CTTGCTCAC
55101	TGCAACCTCC	ACCTCCCAGG	TTCAAGCGAT	TCTCCTGCCT	CAGCCTCCCA
55151	AGTAGCTGGG	ATTACAGGCG	CCCGCCACCA	AGCCCGGCTA	ATTTTTGTAT
55201	TTTTAGTAGA	GATGGGGTTT	CACCATGTTG	GCCAGGCTGG	TCTCAAACCTC
55251	CTGACCTCAG	GTTATCTGCC	CGCCTCGGCC	TCCCAAAGTG	CTGGGGTTAC
55301	AGGCGTGAGC	CACCGCACCC	GGCCTCAGTG	ACTTTAGTCA	AGTAAAGACA
55351	AAAAGGAATA	TATAATTCCA	AATTGTGATA	AATGCTATGA	AGAAAAGGAA
55401	TGTGCTCTGA	CATAAAGGGG	GGAACGAACG	TGATCTAGGG	AGTCAGAGAT
55451	CTCTCCGAGA	AGAGATCTGA	AATAGGAGTA	AGTCGAGAGG	GGGAAGAGAA
55501	TGCTAGACCG	AGGGAACAGT	GCGTGCCAAA	GCCGCGTGCC	GGAAAGGGGC
55551	GTGTGGGAGG	GTAAGTGCAG	AGAGGGAGGG	TAGAGGACGA	AGCCGGAGAG
55601	GCAGACGAAG	GGCAGGACGC	ACAGAGCCCC	GCGGCTACCG	CCTTAGGGGT
55651	TGTCCCGGCG	GTGGGGAAGC	CATTGAGGAG	TTTAACGCCG	GAAGGTGGTG
55701	ACTAATCAGA	TTTCACTTGA	AAATGGCACG	GTGTCTGCAG	CGAGGCTAAC
55751	TGATGGGAAG	GGCCCAGCGA	ATGCCAATAG	GAGAGAGCAC	CGGACCTGGA
55801	AGGCCTGGGT	CAACGCGGCC	CCGCGCGGGG	GCGAAGCGGT	TCCGGCGCAG
55851	GGGCCTGGCG	CGGGGCTCCG	CGGAAAACCG	AACCGGCCCA	CGTGGGACCG
55901	GTCGCTCCGC	CCTGCTGCGC	AGACGCCGCC	TGACTCCGCA	GTCCGGGACT
55951	GGGGCTGGGC	GCGCTGCCCC	GGAGCCCCGC	ACCCACGCCT	GGACCGCGGA
56001	GACGCCCAGG	CCGAGGAACC	CCCAGCCCAG	GGACTAGACA	CCACCAGGGC
56051	CGGGCGGAGC	CAGAGCCAGA	CGCGCCGGAG	CGGGCGCCTC	TACGCCGTGA
56101	GTCCGAGTCT	GGGGCCCGAG	GCGGGGTGGG	GCTTGGGGCT	CAGCCGCGGG
56151	AAGCGGGGAG	TCACAGTGGC	CTCCTTCGAG	GAGACTAGGG	AAGGATGGTC
56201	TCTGTCTCCT	GGGGTGGTCT	CCCACTCCCG	CAAGGCCAGA	AAAGGAGGCT
56251	GCCTCCTGTT	TGGGCGGAGA	CCTAGTCCTG	GCGTGTGCGG	GTTCTCATTT
56301	TACTATCTCT	GAGAACCCTG	TGATCCCTAG	CGCCACCCCC	ACCCCATCCC
56351	AGCTTCCTTC	ACGGCCCCAT	CCAAGTATAG	GAAAAATAAA	AAATTGGGGC
56401	GAGGGGAGAT	CTCTAGGCAC	CTTCCACAA	GCCTTGCTTA	GAGGGCGATT
56451	AGAAACGAAC	TGTTCTTACA	CCCTTCTCCC	CAGGACTTCT	CTGCCCATTG
56501	CTGGGGGTGG	GGAGGGTCCA	TGCCACCTAT	GGAGCGCCTT	CCAGTGCCGG
56551	CTCCACTTAC	AATACCCTTC	CTCTTCATGC	TCTTCAATTG	TTCTAATCCC

FIGURE 7U

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56601 AGTGCTGTTT GGTCAAGTAGA ATCCCTTTGT CAGTTCAAAT CCTAATTTTG
56651 GTTAGAAGCA GGTATATGGAG GAGAGAAGAG TGGTGTGGTA TGCCCTCCCT
56701 CCAGGGCCTC AGAATGGAGC AAGCTAGGGA CGGGGACCGC AAGATAGTGG
56751 CTGTGTTCCA GAGGCATTGG GAGGGAAGGG GGCAGGCTCA GAAGAAAAGC
56801 TTGTCACTGG GGAAGGCGGG GCTCCCTGGC TGGGGTAGGA AAGGGAACCA
56851 AAGCCAGCTC TTCCAGAACC CAGCTCTTCC AGCCCTGGGG AGTCAAGAGT
56901 GGATTCCTGA GCATGGAAAT TCACTGCAGT CTCTTCTCCC ATTTACTCAC
56951 TTAGCAAGTA CCTGTATGCA CAGACAGCCT GGTTCAGGGC TCTATGCTGG
57001 CTGACTCTGG GGAATATGAT GGAGGATATA TACAGGAGGT CCAAGCCAGA
57051 TTACAAACTG CTATTACAAG ATCATTACCA CAAACCAAAA ATGCCAGTTG
57101 AATAGACATT CACTGATCGT CGACCATGTA TGCCAGGGAC GGATGCAAAG
57151 TTGGATAAGA CAGTGTATAC CCAGCGCAGT GGGGACCCAG AGGAAGGCAT
57201 AACTAACCGT GCTTGTTTAT GTAATATTGA TTGGGGCAGT ATCAAGACGG
57251 CTTCAGAGAC ATGGGGACAT GGAAACATGG GGATATTACA GCTAATTTTG
57301 AAGTACAAAA AGGAATTTGC TGGGTGGAGA AGGGAGGAGC TTTGAGGGGA
57351 GGGGAGAGGA AGGATATTGT AGGCCAAAGG AATACTGTAA GAAAAACAAT
57401 GGTGTGTTTT GAGATCTCTG GGCAGTTTGC TATGATGGGA GGGGCAGAGT
57451 GGCAAGAGGC AGGTATGGAG GGGTGAGCAG GGGCCAGATC AAACAGGGTG
57501 TTGTAGGCCA GGTAGAGGTT TAGCAGGAAT TCAGGGAGGG CATTAGGAGT
57551 GGTGACAAGT GAAATTTACA TTTTAACTG GAGGCAGAGA GATCAGTGAA
57601 AAGGCCGAGG CAATAATCCA GGTCAAGAAAT GGCTGGAAG AGGAAGAATG
57651 GTCAGAATGT GGTATTATTAAT GAGATGGGAG AAGGAAGGAT AGTGAGGACC
57701 CCAGGATGCT CTCAGCTTTC TGGATGGAGT ACAGAGCCAT CTTGCTGAGG
57751 ATACTGAAGG AGAGCTTGTT TGGTTATGTA GAATTTTGGC GGGGGGCGGT
57801 GGTGGAGGGG GATGATGTCA CTCTGTCACC CAGGCTGGAG TGCAGTGGCG
57851 CAATCTCGGC TCACTGAAAC CTCTGCCTCC TGGGTTCAAG TGATTCCCCT
57901 GCCTCAGCCT CCCAAATAGC TGGGATTACA GGTGCCGTGC ACCATGCCTG
57951 GCTAATTTTT GTATTTTTAG TAGAGATGGG GTTTCACCAT GTTGGCCAGT
58001 CTAGTCTCGA ACTCCTGACC TCAGGTGATC TGCCTGCCCTC GGCCTCCCAA
58051 AGTGCTGGGA TTACAGGTAT GAGCCACCAT GCCTGGACTG GTTATGTAGA
58101 ATTTGAGGAG ACTATGGTTG GTTGCAGGGT TGGATAGCAG TTGGATCTGG
58151 GCTGAAGACA GATCTGAGAG TCACCAGCAT ATGATGGTCT TTGAAGCTAC
58201 AGCAGAGAAT GAGGTCCTCT GGAGAGAAAT GCACAAAATC AGAAGACAGC
58251 CTGGCTCTGA GGACGGAGGA AAAACCCCTT GCAGGAGACT GAGAATGAAC
58301 AGGTAGACAG GGAGGACGAA AACCACGAAG GGAAGTGTTA CCAGAGTCAA
58351 GAGAAAGGGC TTGACAGGGA GTGGCCAGGC TCTTGCTTGC AGCCTTGTCC
58401 CTGCAGCTAA GTTGCCCTGA CTTCAGGCAC CCCACCCTGT CCTACTGTGA
58451 CTCGGTCTCC TGCTTTCCCT TTACAGGCTA GATGTTCCGC ATCCAGCCAG
58501 GGCTAGCTGA GGGGGGCCAA TTCCTGGGGG ACCCACCTCC TGGATTATGT
58551 CAGCCCAGC TCCAACCAGA CAGCAACTCC AACTTCATGG CAAGTGCCAA
58601 GGATGCTAAC GAGAATTGGC ATGGGATGCC AGGCAGAGTG GAACCTATCC
58651 TGAGGAGGAG CTCCTCTGAG TCACCCTCTG ACAACCAAGC CTTCCAGGCC
58701 CCTGGATCCC CTGAGGAAGG GGTGCGCAGC CCCCAGAGG GGGCAGAGAT
58751 TCCCGGGGCT GAGCCTGAGA AGATGGGTGG TGCTGGCACA GTCTGCTCCC
58801 CTCTGGAGGA CAACGGCTAT GCCAGCAGTT CCCTGAG

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FIGURE 7V